

# Product Datasheet

## **NPM1 Antibody (rNPM1/1901) [FITC] NBP3-08750F**

Unit Size: 100 ul

Store at 4C in the dark.

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**NBP3-08750F**

NPM1 Antibody (rNPM1/1901) [FITC]

| Product Information |                                                                                             |
|---------------------|---------------------------------------------------------------------------------------------|
| Unit Size           | 100 ul                                                                                      |
| Concentration       | Please see the vial label for concentration. If unlisted please contact technical services. |
| Storage             | Store at 4C in the dark.                                                                    |
| Clonality           | Monoclonal                                                                                  |
| Clone               | rNPM1/1901                                                                                  |
| Preservative        | 0.05% Sodium Azide                                                                          |
| Isotype             | IgG1 Kappa                                                                                  |
| Conjugate           | FITC                                                                                        |
| Purity              | Protein A or G purified                                                                     |
| Buffer              | PBS                                                                                         |

| Product Description     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Gene ID                 | 4869                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Gene Symbol             | NPM1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Species                 | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Marker                  | Acute Myeloid Leukemia Marker                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Specificity/Sensitivity | Recognizes a 33kDa glycoprotein, identified as NPM1 (NPM). It is predominantly localized in the nucleus of cells in most tissues. NPM is involved in ribosomal assembly and rRNA transport. It is an abundant protein that is highly phosphorylated by Cdc2 kinase during mitosis. This phosphoprotein moves between the nucleus and the cytoplasm. It is thought to be involved in several processes including regulation of the ARF/p53 pathway. A number of genes are fusion partners, in particular the anaplastic lymphoma kinase gene on chromosome 2. Mutations in exon 12 affecting the C-terminus of the protein are associated with an aberrant cytoplasmic location. Mutations in this gene are associated with acute myeloid leukemia. The antibody may be a useful aid for classification of acute myeloid leukemia. |
| Immunogen               | Recombinant human NPM1 protein fragment (aa185-287) (exact sequence is proprietary) (Uniprot: P06748)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

| Product Application Details |                                                                        |
|-----------------------------|------------------------------------------------------------------------|
| Applications                | Western Blot, Flow Cytometry, Immunohistochemistry-Paraffin            |
| Recommended Dilutions       | Western Blot, Flow Cytometry, Immunohistochemistry-Paraffin            |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined. |





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### **Products Related to NBP3-08750F**

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|                |                                                      |
|----------------|------------------------------------------------------|
| NBP1-43319F    | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1) [FITC] |
| NB110-61646PEP | NPM1 Antibody Blocking Peptide                       |
| NBL1-13748     | NPM1 Overexpression Lysate                           |
| NB200-106      | p19ARF/CDKN2A Antibody - BSA Free                    |

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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