

# Product Datasheet

## Cytokeratin 3 Antibody (KRT3/2542) [Alexa Fluor® 700] NBP3-08582AF700

Unit Size: 100 ul

Store at 4C in the dark.

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**NBP3-08582AF700**

Cytokeratin 3 Antibody (KRT3/2542) [Alexa Fluor® 700]

| 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                   | KRT3/2542   |
| Preservative            | 0.05% Sodium Azide  |
| Isotype                 | IgG1 Kappa  |
| Conjugate               | Alexa Fluor 700   |
| Purity                  | Protein A or G purified   |
| Buffer                  | 50mM Sodium Borate  |
| Product Description     |   |
| Host                    | Mouse   |
| Gene ID                 | 3850  |
| Gene Symbol             | KRT3  |
| Species                 | Human, Bovine, Rabbit   |
| Marker                  | Corneal Epithelial Marker   |
| Specificity/Sensitivity | The protein encoded by this gene is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins, which are arranged in pairs of heterotypic keratin chains co-expressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in the corneal epithelium with family member KRT12 and mutations in these genes have been associated with Meesmanns Corneal Dystrophy. KRT3/2542 recognizes the 64kD polypeptide/keratin K3 (cytokeratin 3) of rabbit corneal epithelium and keratin K76 (cytokeratin K2p) of palate epithelium. As such represents an excellent marker for studying corneal epithelial-type differentiation. Also recognizes bovine snout and lip epithelium, as well as a rabbit corneal cell line. |
| Immunogen               | Tissue, cells or virus corresponding to Rabbit Cytokeratin 3/CK-3. Rabbit corneal epithelial keratin.   |



|              |  |
|--------------|--|
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|--------------|--|

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



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### **Products Related to NBP3-08582AF700**

|                    |   |
|--------------------|---|
| IC002N             | Mouse IgG1 Isotype Control (11711) [Alexa Fluor® 700] |
| H00003850-Q01-10ug | Recombinant Human Cytokeratin 3 GST (N-Term) Protein  |
| 236-EG-200         | EGF [Unconjugated]                                    |
| NB100-355          | RPE65 Antibody (401.8B11.3D9) - BSA Free              |

### **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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