

# Product Datasheet

## MUC3 Antibody (rMUC3/1154) [Alexa Fluor® 405] NBP3-14126AF405

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP3-14126AF405**

MUC3 Antibody (rMUC3/1154) [Alexa Fluor® 405]

| Product Information     |  |
|-------------------------|--|
| Unit Size               | 0.1 ml   |
| Concentration           | Please see the vial label for concentration. If unlisted please contact technical services.  |
| Storage                 | Store at 4C in the dark.   |
| Clonality               | Monoclonal   |
| Clone                   | rMUC3/1154   |
| Preservative            | 0.05% Sodium Azide   |
| Isotype                 | IgG2a Kappa  |
| Conjugate               | Alexa Fluor 405  |
| Purity                  | Protein A or G purified  |
| Buffer                  | 50mM Sodium Borate   |
| Product Description     |  |
| Host                    | Mouse  |
| Gene ID                 | 4584   |
| Gene Symbol             | MUC3A  |
| Species                 | Human  |
| Reactivity Notes        | 0  |
| Specificity/Sensitivity | It recognizes a protein of HMW, identified as mucin 3 glycoprotein (MUC3). Its epitope localizes between aa SITTTE. This monoclonal antibody shows no cross-reaction with human milk fat globule membranes, MUC1, or MUC2. MUC3 is distributed in colon and rectum, and is also present to a lesser extent in breast, lung and salivary gland tissues. The Mucins are a family of highly glycosylated, secreted proteins with a basic structure consisting of a variable number of tandem repeats (VNTRs) encoded by 60 base pairs (Mucin 1), 69 base pairs (Mucin 2) and 51 base pairs (Mucin 3). The number of repeats is highly polymorphic and varies among different alleles. Mucin 1 proteins are expressed as type I membrane proteins in addition to secreted forms. Mucin 1 is aberrantly expressed in epithelial tumors including breast carcinomas. Mucin 2 coats the epithelia of the intestines and airways and is associated with colonic tumors. Mucin 3 is a major component of various mucus gels and is broadly expressed in normal and tumor cells. |
| Immunogen               | Recombinant fragment of human MUC3A protein (exact sequence is proprietary)  |



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



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### **Products Related to NBP3-14126AF405**

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|                 |   |
|-----------------|---|
| NBP1-96981AF405 | Mouse IgG2a Kappa Isotype Control (M2AK) [Alexa Fluor® 405] |
| NBP1-87742PEP   | MUC3 Recombinant Protein Antigen                            |
| 210-TA-005      | TNF-alpha [Unconjugated]                                    |
| 236-EG-200      | EGF [Unconjugated]  |

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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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