

# Product Datasheet

## Cytokeratin 6 Antibody (KRT6B/2116) [Alexa Fluor® 405] NBP3-08612AF405

Unit Size: 100 ul

Store at 4C in the dark.

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**NBP3-08612AF405**

Cytokeratin 6 Antibody (KRT6B/2116) [Alexa Fluor® 405]

| 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                   | KRT6B/2116   |
| 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                 | 3853   |
| Gene Symbol             | KRT6A  |
| Species                 | Human, Mouse   |
| Marker                  | Basal Cell Marker  |
| Specificity/Sensitivity | This monoclonal antibody recognizes a protein of 56kDa, identified as cytokeratin 6 (CK6). In humans, multiple isoforms of Cytokeratin 6 (6A-6F), encoded by several highly homologous genes, have distinct tissue expression patterns, and Cytokeratin 6A is the dominant form in epithelial tissue. The gene encoding human Cytokeratin 6A maps to chromosome 12q13, and mutations in this gene are linked to several inheritable hair and skin pathologies. Keratins 6 and 16 are expressed in keratinocytes, which are undergoing rapid turnover in the suprabasal region (also known as hyper-proliferation-related keratins). Keratin 6 is found in hair follicles, suprabasal cells of a variety of internal stratified epithelia, in epidermis, in both normal and hyper-proliferative situations. Epidermal injury results in activation of keratinocytes, which express CK6 and CK16. CK6 is strongly expressed in about 75% of head and neck squamous cell carcinomas. Expression of CK6 is particularly associated with differentiation. |
| Immunogen               | Recombinant full-length human Cytokeratin 6 protein (Uniprot: P04259 )   |

|              |  |
|--------------|--|
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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 NBP3-08612AF405**

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|                 |   |
|-----------------|---|
| NBP1-96981AF405 | Mouse IgG2a Kappa Isotype Control (M2AK) [Alexa Fluor® 405] |
| DCX900          | CXCL9/MIG [HRP]   |
| NB100-355       | RPE65 Antibody (401.8B11.3D9) - BSA Free                    |
| NB200-103       | p53 Antibody (PAb 240) - 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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