

Datasheet for ABIN686767  
**anti-ERBB3 antibody (AA 661-760)**[2 Images](#)[2 Publications](#)[Go to Product page](#)

## Overview

|                      |   |
|----------------------|---|
| Quantity:            | 100 µL  |
| Target:              | ERBB3   |
| Binding Specificity: | AA 661-760  |
| Reactivity:          | Human, Mouse, Rat   |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This ERBB3 antibody is un-conjugated  |
| Application:         | ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

## Product Details

|                       |  |
|-----------------------|--|
| Immunogen:            | KLH conjugated synthetic peptide derived from human ErbB-3 |
| Isotype:              | IgG  |
| Cross-Reactivity:     | Human, Mouse, Rat  |
| Predicted Reactivity: | Dog,Cow,Horse,Chicken,Rabbit                               |
| Purification:         | Purified by Protein A.                                     |

## Target Details

|         |       |
|---------|-------|
| Target: | ERBB3 |
|---------|-------|

## Target Details

|                   |   |
|-------------------|---|
| Alternative Name: | ErbB-3/HER3 ( <a href="#">ERBB3 Products</a> )  |
| Background:       | <p>Synonyms: HER3, LCCS2, ErbB-3, c-erbB3, erbB3-S, MDA-BF-1, c-erbB-3, p180-ErbB3, p45-sErbB3, p85-sErbB3, Receptor tyrosine-protein kinase erbB-3, Proto-oncogene-like protein c-ErbB-3, Tyrosine kinase-type cell surface receptor HER3, ERBB3</p> <p>Background: The ErbB3 gene encodes a member of the epidermal growth factor receptor (EGFR) family of receptor tyrosine kinases. ErbB3 is a membrane-bound protein which has a neuregulin binding domain but not an active kinase domain. It can therefore bind this ligand but cannot convey a signal into the cell via protein phosphorylation. However it does form heterodimers with other EGF receptor family members which do have kinase activity. Heterodimerization leads to the activation of pathways which lead to cell proliferation or differentiation. Amplification of this gene and/or overexpression of its protein have been reported in numerous cancers including prostate, bladder and breast tumors. Alternate transcriptional splice variants encoding different isoforms have been characterized. One isoform lacks the intermembrane region and is secreted outside the cell. This form acts to modulate the activity of the membrane-bound form. Additional splice variants have also been reported but they have not been thoroughly characterized.</p> |
| Gene ID:          | 2065  |
| UniProt:          | <a href="#">P21860</a>  |
| Pathways:         | <a href="#">RTK Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a>   |

## Application Details

|                    |  |
|--------------------|--|
| Application Notes: | ELISA 1:500-1000<br>IHC-P 1:200-400<br>IHC-F 1:100-500<br>IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200 |
| Restrictions:      | For Research Use only  |

## Handling

|                |         |
|----------------|---------|
| Format:        | Liquid  |
| Concentration: | 1 µg/µL |

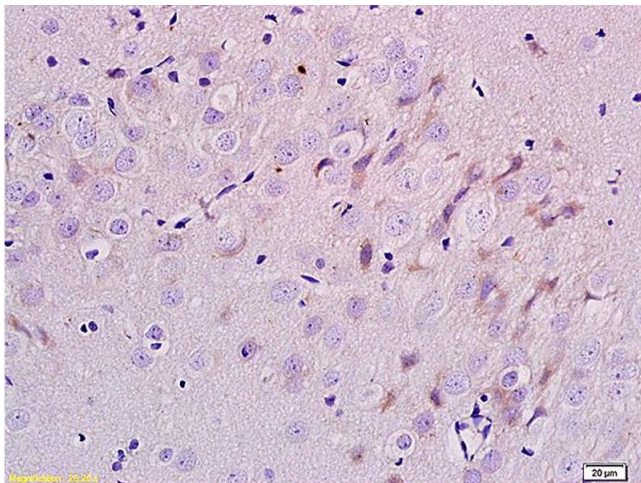
## Handling

|                    |  |
|--------------------|--|
| Buffer:            | 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.  |
| Preservative:      | ProClin  |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | 4 °C,-20 °C  |
| Storage Comment:   | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.                                    |
| Expiry Date:       | 12 months  |

## Publications

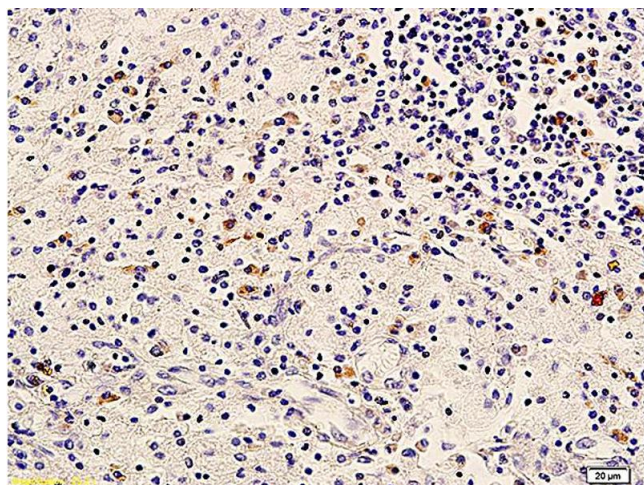
|                   |   |
|-------------------|---|
| Product cited in: | <p>Cao, Chen, Chen, Xiong: "Positive prognostic value of HER2-HER3 co-expression and p-mTOR in gastric cancer patients." in: <b>BMC cancer</b>, Vol. 17, Issue 1, pp. 841, (2018) (<a href="#">PubMed</a>).</p> <p>Xiao, Pepe, Wang, Luo, Zhang, Zeng, Zhang, Hu, Ye, Xu: "Nrf3-Pla2g7 interaction plays an essential role in smooth muscle differentiation from stem cells." in: <b>Arteriosclerosis, thrombosis, and vascular biology</b>, Vol. 32, Issue 3, pp. 730-44, (2012) (<a href="#">PubMed</a>).</p> |
|-------------------|---|

## Images



### Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin embedded rat brain labeled with Anti-ErbB-3/HER3 Polyclonal Antibody, Unconjugated (ABIN686767) at 1:200 followed by conjugation to the secondary antibody and DAB staining.



### Immunohistochemistry

**Image 2.** Formalin-fixed and paraffin embedded human cervical carcinoma labeled with Anti-ErbB-3/HER3 Polyclonal Antibody, Unconjugated (ABIN686767) followed by conjugation to the secondary antibody and DAB staining