

**ERBB3 / HER3 Antibody (clone 3F10F6)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS13043****Specification**

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**ERBB3 / HER3 Antibody (clone 3F10F6) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | IHC                    |
| Primary Accession | <a href="#">P21860</a> |
| Reactivity        | Human                  |
| Host              | Mouse                  |
| Clonality         | Monoclonal             |
| Calculated MW     | 148kDa KDa             |

**ERBB3 / HER3 Antibody (clone 3F10F6) - Additional Information****Gene ID** 2065**Other Names**

Receptor tyrosine-protein kinase erbB-3, 2.7.10.1, Proto-oncogene-like protein c-ErbB-3, Tyrosine kinase-type cell surface receptor HER3, ERBB3, HER3

**Target/Specificity**

Human ERBB3

**Reconstitution & Storage**

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

**Precautions**

ERBB3 / HER3 Antibody (clone 3F10F6) is for research use only and not for use in diagnostic or therapeutic procedures.

**ERBB3 / HER3 Antibody (clone 3F10F6) - Protein Information****Name** ERBB3**Synonyms** HER3**Function**

Tyrosine-protein kinase that plays an essential role as cell surface receptor for neuregulins. Binds to neuregulin-1 (NRG1) and is activated by it; ligand-binding increases phosphorylation on tyrosine residues and promotes its association with the p85 subunit of phosphatidylinositol 3-kinase (PubMed:<a href="http://www.uniprot.org/citations/20682778" target="\_blank">20682778</a>). May also be activated by CSPG5 (PubMed:<a href="http://www.uniprot.org/citations/15358134" target="\_blank">15358134</a>). Involved in the regulation of myeloid cell differentiation (PubMed:<a href="http://www.uniprot.org/citations/27416908" target="\_blank">27416908</a>).

**Cellular Location**

[Isoform 1]: Cell membrane; Single-pass type I membrane protein

**Tissue Location**

Epithelial tissues and brain.

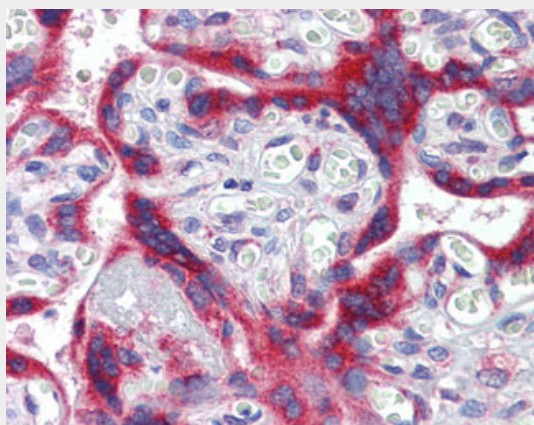
**Volume**

50 µl

**ERBB3 / HER3 Antibody (clone 3F10F6) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**ERBB3 / HER3 Antibody (clone 3F10F6) - Images**

Anti-HER3 antibody IHC of human placenta.

**ERBB3 / HER3 Antibody (clone 3F10F6) - Background**

Binds and is activated by neuregulins and NTAK. May also be activated by CSPG5.

**ERBB3 / HER3 Antibody (clone 3F10F6) - References**

Kraus M.H.,et al.Proc. Natl. Acad. Sci. U.S.A. 86:9193-9197(1989).  
Plowman G.D.,et al.Proc. Natl. Acad. Sci. U.S.A. 87:4905-4909(1990).  
Katoh M.,et al.Biochem. Biophys. Res. Commun. 192:1189-1197(1993).  
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.  
Ota T.,et al.Nat. Genet. 36:40-45(2004).