

**ErbB-3 Polyclonal Antibody**  
Catalog # AP69791**Specification****ErbB-3 Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P21860</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

**ErbB-3 Polyclonal Antibody - Additional Information****Gene ID** 2065**Other Names**

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

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**ErbB-3 Polyclonal Antibody - 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:<<http://www.uniprot.org/citations/20682778>>20682778</a>). May also be activated by CSPG5 (PubMed:<<http://www.uniprot.org/citations/15358134>>15358134</a>). Involved in the regulation of myeloid cell differentiation (PubMed:<<http://www.uniprot.org/citations/27416908>>27416908</a>).

**Cellular Location**

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

**Tissue Location**

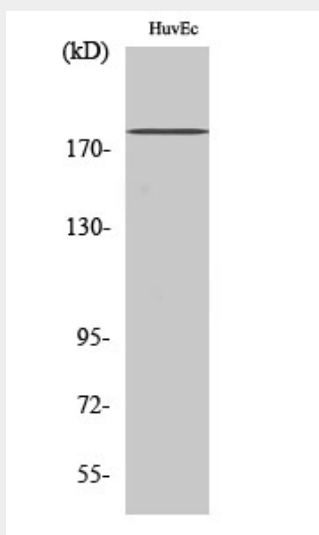
Epithelial tissues and brain.

### **ErbB-3 Polyclonal Antibody - 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](#)

### **ErbB-3 Polyclonal Antibody - Images**



### **ErbB-3 Polyclonal Antibody - Background**

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:20682778). May also be activated by CSPG5 (PubMed:15358134).