

ErbB-3 Polyclonal Antibody

Catalog # AP69791

Product Information

| | |
|-------------------|------------------------|
| Application | WB, IHC-P |
| Primary Accession | P21860 |
| Reactivity | Human, Mouse, Rat |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 148098 |

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. IHC-P~~N/A |
| Format | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide. |
| Storage Conditions | -20°C |

Protein Information

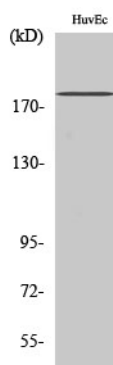
| | |
|-------------------|---|
| Name | ERBB3 |
| Synonyms | HER3 |
| Function | Tyrosine-protein kinase that plays an essential role as cell surface receptor for neuregulins. Binds to neuregulin-1 (NRG1) and is activated by it; ligand-binding increases phosphorylation on tyrosine residues and promotes its association with the p85 subunit of phosphatidylinositol 3-kinase (PubMed: 20682778). May also be activated by CSPG5 (PubMed: 15358134). Involved in the regulation of myeloid cell differentiation (PubMed: 27416908). |
| Cellular Location | [Isoform 1]: Cell membrane; Single-pass type I membrane protein |
| Tissue Location | Epithelial tissues and brain. |

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](#)).

Images



Western Blot analysis of various cells using ErbB-3 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.