

**HER3 (pY1222) Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP53346****Specification**

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**HER3 (pY1222) Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P21860</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>140 KDa</b>
Antigen Region	<b>1187-1236</b>

**HER3 (pY1222) Antibody - Additional Information****Gene ID** 2065**Dilution**

WB~~1:1000

**Format**

Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol

**Storage**

Store at -20 °C.Stable for 12 months from date of receipt

**HER3 (pY1222) 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:<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**

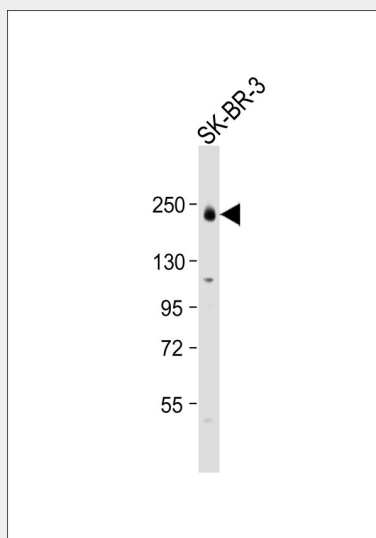
Epithelial tissues and brain.

## HER3 (pY1222) 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](#)

## HER3 (pY1222) Antibody - Images



Anti-HER3 (pY1222) Antibody at 1:1000 dilution + SK-BR-3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 148 kDa Blocking/Dilution buffer: 5% NFDN/TBST.

## HER3 (pY1222) Antibody - Background

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

## HER3 (pY1222) Antibody - 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).  
Kato M., et al. Biochem. Biophys. Res. Commun. 192:1189-1197(1993).  
Kalnina N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.  
Ota T., et al. Nat. Genet. 36:40-45(2004).