

# HER3 (pY1222) Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP53346

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">P21860</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	148098

## Additional Information

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<b>Gene ID</b>	2065
<b>Other Names</b>	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
<b>Target/Specificity</b>	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human HER3. The exact sequence is proprietary.
<b>Dilution</b>	WB~~ 1:1000
<b>Format</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol
<b>Storage</b>	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

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<b>Name</b>	ERBB3
<b>Synonyms</b>	HER3
<b>Function</b>	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="#">20682778</a> ). May also be activated by CSPG5 (PubMed: <a href="#">15358134</a> ). Involved in the regulation of myeloid cell differentiation (PubMed: <a href="#">27416908</a> ).
<b>Cellular Location</b>	[Isoform 1]: Cell membrane; Single-pass type I membrane protein
<b>Tissue Location</b>	Epithelial tissues and brain.

## Background

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

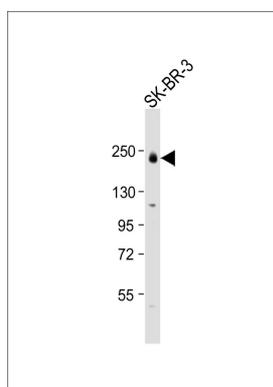
## References

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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).  
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.  
Ota T.,et al.Nat. Genet. 36:40-45(2004).

## Images

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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% NFDM/TBST.

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