

**Product Name: Phospho-ErbB3 (Y1222) (11E17) Rabbit Monoclonal Antibody****Catalog #: AMRe05900**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Phosphorylated
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.5mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:1000-1:5000
<b>Molecular Weight</b>	148kDa

**Antigen Information**

<b>Gene Name</b>	ERBB3
<b>Alternative Names</b>	ERBB3; HER3; LCCS2; p180 ErbB3; p45 sErbB3; p85 sErbB3;
<b>Gene ID</b>	2065.0
<b>SwissProt ID</b>	P21860
<b>Immunogen</b>	A synthetic phosphopeptide corresponding to residues surrounding Tyr1222 of human ErbB3

**Background**

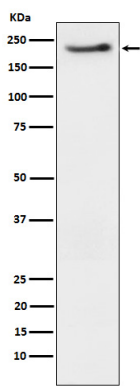
---

Binds and is activated by neuregulins and NTAK. 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).

## Research Area

ErbB\_HER;Calcium;Endocytosis;

## Image Data



Western blot analysis of Phospho-ErbB3 (Y1222) expression in SKBR3 cell treated with neuregulin.