

**Product Name: Phospho-ErbB2 (Y1139) (12W6) Rabbit
Monoclonal Antibody
Catalog #: AMRe05898**



Summary

Production Name	Phospho-ErbB2 (Y1139) (12W6) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Phospho Antibody
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	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.
Purification	Affinity purification

Immunogen

Gene Name	ERBB2
Alternative Names	CD340; CerbB2; ERBB2; HER2; Herstatin; MLN19; NEU; NGL; p185erbB2; TKR1;
Gene ID	2064.0
SwissProt ID	P04626.

Application

Dilution Ratio	WB 1:500-1:2000
Molecular Weight	138kDa

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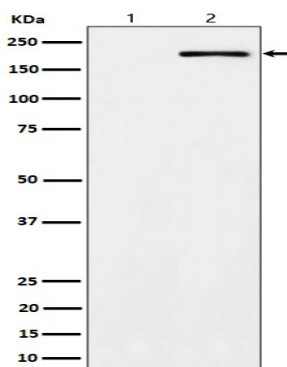


Background

Protein tyrosine kinase that is part of several cell surface receptor complexes, but that apparently needs a coreceptor for ligand binding. Protein tyrosine kinase that is part of several cell surface receptor complexes, but that apparently needs a coreceptor for ligand binding. Essential component of a neuregulin-receptor complex, although neuregulins do not interact with it alone. GP30 is a potential ligand for this receptor. Regulates outgrowth and stabilization of peripheral microtubules (MTs). Upon ERBB2 activation, the MEMO1-RHOA-DIAPH1 signaling pathway elicits the phosphorylation and thus the inhibition of GSK3B at cell membrane. This prevents the phosphorylation of APC and CLASP2, allowing its association with the cell membrane. In turn, membrane-bound APC allows the localization of MACF1 to the cell membrane, which is required for microtubule capture and stabilization.

Research Area

Image Data



Western blot analysis of Phospho-ErbB2 (Y1139) expression in (1) A431 cell lysate; (2) A431 treated with EGF cell lysate.

Note

For research use only.