

Recombinant Phospho-HER2/ErbB2 (Tyr1221, 1222) Monoclonal Antibody

catalog number: **AN300005L**

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

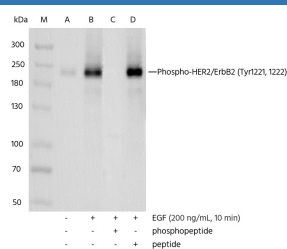
Reactivity	Human
Immunogen	A synthetic phosphopeptide corresponding to residues around (Tyr1221, 1222) of human HER2/ErbB2.
Host	Rabbit
Isotype	IgG
Clone	C330007
Purification	Protein A
Buffer	0.2 µm filtered solution in PBS

Applications

Recommended Dilution

WB: 1:1000-1:5000

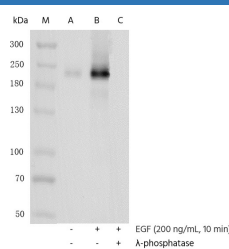
Data



Western blot analysis of extracts from serum-starved SkBr3, untreated (line A); treated with EGF (Cat: PKSH031641) (200 ng/mL, 10 min), without peptide (line B) or antigen-specific phosphopeptide (line C) or antigen-specific peptide (line D) using Phospho-HER2/ErbB2 (Tyr1221, 1222) Monoclonal Antibody at 1:5000 dilution.

Observed-MW:185 kDa

Calculated-MW:138 kDa



Western blot analysis of extracts from serum-starved SkBr3, untreated (line A); treated with EGF (Cat: PKSH031641) (200 ng/mL, 10 min) (line B); treated with EGF and λ-phosphatase (line C) using Phospho-HER2/ErbB2 (Tyr1221, 1222) Monoclonal Antibody at 1:5000 dilution.

Observed-MW:185 kDa

Calculated-MW:138 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

This gene encodes a member of the epidermal growth factor (EGF) receptor family of receptor tyrosine kinases. This protein has no ligand binding domain of its own and therefore cannot bind growth factors. However, it does bind tightly to other ligand-bound EGF receptor family members to form a heterodimer, stabilizing ligand binding and enhancing kinase-mediated activation of downstream signalling pathways, such as those involving mitogen-activated protein kinase and phosphatidylinositol-3 kinase. Allelic variations at amino acid positions 654 and 655 of isoform a (positions 624 and 625 of isoform b) have been reported, with the most common allele, Ile654/Ile655, shown here. Amplification and/or overexpression of this gene has been reported in numerous cancers, including breast and ovarian tumors. Alternative splicing results in several additional transcript variants, some encoding different isoforms and others that have not been fully characterized. [provided by RefSeq, Jul 2008]

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