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Phospho-ErbB2-pY1248(M) Blocking Peptide

Synthetic peptide
Catalog # BP3661a

Specification

Phospho-ErbB2-pY1248(M) Blocking Peptide - Product Information

Other Accession P43403

Phospho-ErbB2-pY1248(M) Blocking Peptide - Additional Information

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP3661a was selected from the M region of human Phospho-ErbB2-pY1248(M). A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Phospho-ErbB2-pY1248(M) Blocking Peptide - Protein Information

Phospho-ErbB2-pY1248(M) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

Phospho-ErbB2-pY1248(M) Blocking Peptide - Background

ErbB2 is 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.

Phospho-ErbB2-pY1248(M) Blocking Peptide - References

Wang,S.E., et.al., Cancer Cell 10 (1), 25-38 (2006)Dankort,D., et.al., J. Biol. Chem. 276 (42), 38921-38928 (2001)Gulliford,T., et.al., Cell. Signal. 11 (4), 245-252 (1999)