

Product Datasheet

ErbB3 (HER3) Antibody

Catalog No: CY5270

Reactivity: Human Rat

Isotype: Rabbit IgG

Applications: WB IP



Information

UniProt ID: P21860

All Names: EC 2.7.10.1, ERB3, ERBB3, HER3, Receptor protein-tyrosine kinase erbB-3 precursor, Tyrosine kinase-type cell surface receptor HER3, c-erbB3, kinase ErbB3

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 185 kDa

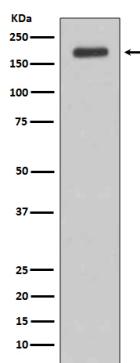
Application

WB: 1:500~1:2000

IP: 1:30

Background

This gene encodes a member of the epidermal growth factor receptor (EGFR) family of receptor tyrosine kinases. This membrane-bound protein has a neuregulin binding domain but not an active kinase domain. It therefore can bind this ligand but not convey the signal into the cell through protein phosphorylation. However, it does form heterodimers with other EGF receptor family members which do have kinase activity. Heterodimerization leads to the activation of pathways which lead to cell proliferation or differentiation. Amplification of this gene and/or overexpression of its protein have been reported in numerous cancers, including prostate, bladder, and breast tumors. Alternate transcriptional splice variants encoding different isoforms have been characterized. One isoform lacks the intermembrane region and is secreted outside the cell. This form acts to modulate the activity of the membrane-bound form. Additional splice variants have also been reported, but they have not been thoroughly characterized.



Western blot analysis of extracts of MCF-7 cell line, using ErbB3 (HER3) antibody.

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