

Recombinant ErbB3/HER3 Monoclonal Antibody

catalog number: **AN301827L**

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

Description

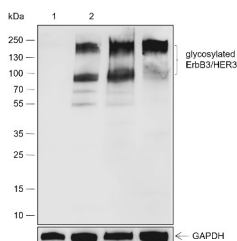
Reactivity	Human;Rat
Immunogen	Recombinant human ErbB3 / HER3 fragment
Host	Rabbit
Isotype	IgG, κ
Clone	C731449
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

WB	1:500-1:2000
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Data



Western Blot with ErbB3/HER3 Monoclonal Antibody at dilution of 1:2000. Lane 1: MDA-MB-231(Negative control), Lane 2: MCF-7, Lane 3: T47D, Lane 4: C6

Observed-MW: 185 / 98 kDa

Calculated-MW: 148 / 77 kDa

Preparation & Storage

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

Background

HER3/ErbB3 is a member of the ErbB receptor protein tyrosine kinase family, but it lacks tyrosine kinase activity. Tyrosine phosphorylation of ErbB3 depends on its association with other ErbB tyrosine kinases. Upon ligand binding, heterodimers form between ErbB3 and other ErbB proteins, and ErbB3 is phosphorylated on tyrosine residues by the activated ErbB kinase. There are at least 9 potential tyrosine phosphorylation sites in the carboxy-terminal tail of ErbB3. These sites serve as consensus binding sites for signal transducing proteins, including Src family members, Grb2, and the p85 subunit of PI3 kinase, which mediate ErbB downstream signaling. Both Tyr1222 and Tyr1289 of ErbB3 reside within a YXXM motif and participate in signaling to PI3K.

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