Recombinant Phospho-HER3/ErbB3 (Tyr1289) Monoclonal Antibody

catalog number: **AN300020L**

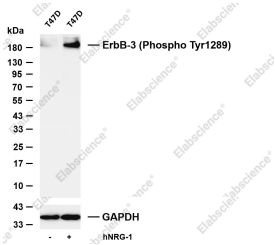
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

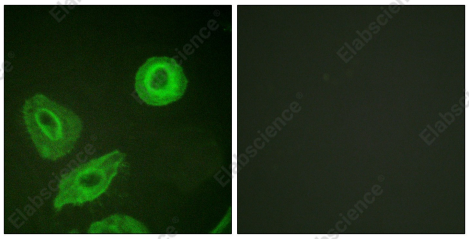
Reactivity	Human;Mouse;Rat
Immunogen	A synthetic phosphopeptide corresponding to residues around Tyr1289 of the Human Phospho-HER3/ErbB3
Host	Rabbit
Isotype	Rabbit IgG
Clone	C110018
Purification	Protein A
Buffer	0.2 μm filtered solution in PBS

Applications	Recommended Dilution
IHC	1:200-1:1000
WB	1:2000-1:10000
IF	1:200-1:1000
ELISA	1:5000-1:20000
IP	1:50-1:200

Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-ErbB-3 (Phospho Tyr1289) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: T47D Lane 2: T47D was treated with hNRG-1 (100ng/ml) for 15 minutes Predicted band size: 148kDa Observed band size: 185kDa



Immunofluorescence analysis of HeLa cells, using HER3 (Phospho-Tyr1289) Antibody. The picture on the right is blocked with the phospho peptide.

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 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 m

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