

Datasheet for ABIN7013406
ERBB3 Protein (AA 20-641) (His tag)



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2 Images

Overview

Quantity:	100 µg
Target:	ERBB3
Protein Characteristics:	AA 20-641
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This ERBB3 protein is labelled with His tag.

Product Details

Characteristics:	Mouse ErbB3 / Her3 Protein, His Tag
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	ERBB3
Alternative Name:	ErbB3 (ERBB3 Products)
Background:	ErbB3, also known as Her3 (human epidermal growth factor receptor 3), is a member of the epidermal growth factor receptor (EGFR) family of receptor tyrosine kinases. This membrane-bound glycoprotein has a neuregulin binding domain but has not an active kinase domain. It therefore can bind the ligand but cannot mediate the intracellular signal transduction through

Target Details

protein phosphorylation. However, it does form heterodimers with ErbB2 or other EGFR members responsible for tyrosine phosphorylation to give a receptor complex and initiate the related pathway, which lead to cell proliferation or differentiation. Overexpression of this protein has been reported in numerous cancers, including prostate, bladder, and breast tumors. This protein has different isoforms derived from alternative splicing variants, and among which, the secreted isoform lacking the intermembrane region modulates the activity of membrane-bound form.

Molecular Weight: 70.4 kDa

NCBI Accession: [NP_034283](#)

Pathways: [RTK Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#)

Application Details

Restrictions: For Research Use only

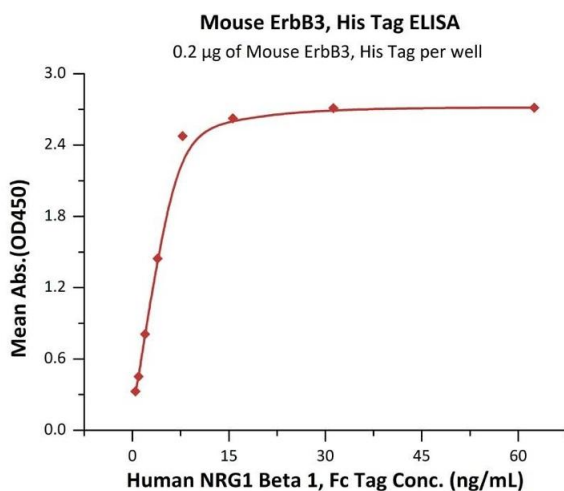
Handling

Format: Lyophilized

Buffer: PBS, pH 7.4

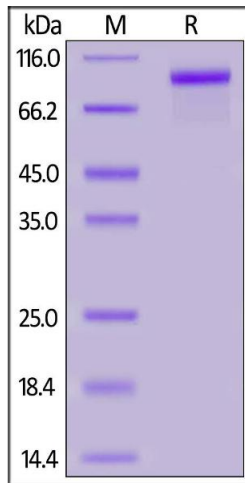
Storage: -20 °C

Images



ELISA

Image 1. Immobilized Mouse ErbB3, His Tag (ABIN6973047) at 2 µg/mL (100 µL/well) can bind Human NRG1 Beta 1, Fc Tag (ABIN6973185) with a linear range of 0.5-8 ng/mL (QC tested).



SDS-PAGE

Image 2. Mouse ErbB3, His Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .