antibodies -online.com





ERBB4 Protein (Fc Tag)





Go to Product page

Overview

Quantity:	100 μg
Target:	ERBB4
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This ERBB4 protein is labelled with Fc Tag.

Product Details

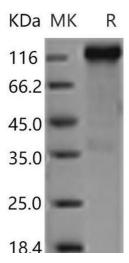
Purpose:	Recombinant Rat HER4/ErbB4 Protein (Fc Tag)(Active)
Sequence:	Met1-Pro651
Characteristics:	A DNA sequence encoding the rat ERBB4 (Met1-Pro651) was expressed with the Fc region of human IgG1 at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	$<$ 1.0 EU per μg of the protein as determined by the LAL method
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized rat ERBB4-Fc at 10 μ g/ml (100 μ l/well) can bind biotinylated human NRG1 , The EC50 of biotinylated human NRG1 is 0.69-1.61 μ g/ml.

Target Details

|--|

Target Details

Alternative Name:	HER4/ErbB4 (ERBB4 Products)
Background:	Background: ERBB4 is a single-pass type I membrane protein with multiple cysteine rich
	domains, a transmembrane domain, a tyrosine kinase domain, a phosphotidylinositol-3 kinase
	binding site and a PDZ domain binding motif. ERBB4 is expressed at highest levels in brain,
	heart, kidney, in addition to skeletal muscle, parathyroid, cerebellum, pituitary, spleen, testis an
	breast. And lower levels in thymus, lung, salivary gland, and pancreas. It specifically binds to
	and is activated by neuregulins, NRG-2, NRG-3, heparin-binding EGF-like growth factor,
	betacellulin and NTAK. ERBB4 also can be activated by other factors and induces a variety of
	cellular responses including mitogenesis and differentiation. ERBB4 regulates development of
	the heart, the central nervous system and the mammary gland, gene transcription, cell
	proliferation, differentiation, migration and apoptosis. It is required for normal cardiac muscle
	differentiation during embryonic development, and for postnatal cardiomyocyte proliferation.
	ERBB4 also play a role on the normal development of the embryonic central nervous system,
	especially for normal neural crest cell migration and normal axon guidance. It is required for
	mammary gland differentiation, induction of milk proteins and lactation.Immune
	Checkpoint Immunotherapy Cancer Immunotherapy Targeted Therapy
	Synonym: ERBB4;Tyro-2
Molecular Weight:	96.9 kDa
Pathways:	RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophir
	Signaling Pathway
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.
	Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted
	samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.