antibodies - online.com







anti-ERBB3 antibody (AA 22-369)

Images

Publications



()	11/0	r\ /1	$\triangle 1 $
	$\lor \lor \vdash$	$I \vee I$	ew

Quantity:	100 μL	
Target:	ERBB3	
Binding Specificity:	AA 22-369	
Reactivity:	Human	
Host:	Mouse	
Clonality:	Monoclonal	
Conjugate:	This ERBB3 antibody is un-conjugated	
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC)	

Product Details

Immunogen:	Purified recombinant extracellular fragment of human ERBB3 (aa22-369) fused with hIgGFc tag expressed in HEK293 cells.
Clone:	2F9
Isotype:	lgG1
Purification:	purified

Target Details

Target:	ERBB3	
Alternative Name:	ERBB3 (ERBB3 Products)	
Background:	ckground: Description: ERBB3, v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian). It i	

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.

Aliases: HER3, c-erbB3

Molecular Weight:	148 kDa
Gene ID:	2065
HGNC:	2065
Pathways:	RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway

Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: 1:200 - 1:1000
Restrictions:	For Research Use only

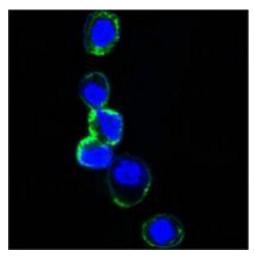
Handling

Format:	Liquid
Buffer:	Ascitic fluid containing 0.03 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage

Product cited in:

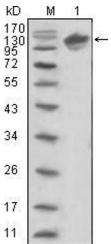
Wang, Wu, Zhou, Guo, Zheng, Wang, Bi, Liu, Zhou, Guo, Sha: "Mapping of the N-linked glycoproteome of human spermatozoa." in: **Journal of proteome research**, Vol. 12, Issue 12, pp. 5750-9, (2013) (PubMed).

Images



Immunofluorescence

Image 1. Confocal immunofluorescence analysis of HEK293 cells trasfected with extracellular ERBB3 (aa22-369)-hlgGFc using ERBB3 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.



Western Blotting

Image 2. Western blot analysis using ERBB3 mouse mAb against human ERBB3 (aa22-369)-hlgGFc trasfected HEK293 cell lysate (1).