

ARG63836 anti-ERBB3 / HER3 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes ERBB3 / HER3
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog, Pig
Tested Application	FACS, ICC/IF, IHC-P
Specificity	This antibody is expected to recognise isoform 1 (NP_001973.2) only.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	ERBB3 / HER3
Species	Human
Immunogen	C-HSRLFPKANAQRT
Conjugation	Un-conjugated
Alternate Names	MDA-BF-1; LCCS2; p180-ErbB3; Proto-oncogene-like protein c-ErbB-3; c-erbB3; p85-sErbB3; Tyrosine kinase-type cell surface receptor HER3; p45-sErbB3; erbB3-S; HER3; c-erbB-3; ErbB-3; EC 2.7.10.1; Receptor tyrosine-protein kinase erbB-3

Application Instructions

Application table	Application	Dilution
	FACS	10 µg/ml
	ICC/IF	10 µg/ml
	IHC-P	5 µg/ml
Application Note	IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

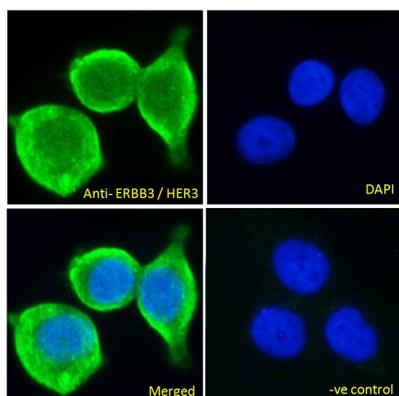
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

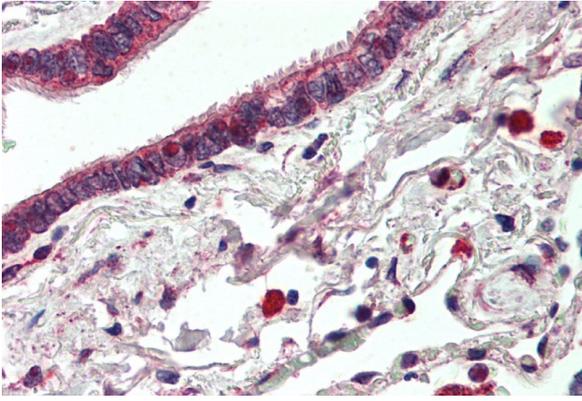
Database links	GeneID: 2065 Human Swiss-port # P21860 Human
Background	<p>This gene encodes a member of the epidermal growth factor receptor (EGFR) family of receptor tyrosine kinases. This membrane-bound protein has a neuregulin binding domain but not an active kinase domain. It therefore can bind this 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 membrane-bound form. Additional splice variants have also been reported, but they have not been thoroughly characterized. [provided by RefSeq, Jul 2008]</p>
Research Area	Cancer antibody; Controls and Markers antibody; Signaling Transduction antibody
Calculated Mw	148 kDa
PTM	Autophosphorylated (PubMed:20351256). Ligand-binding increases phosphorylation on tyrosine residues and promotes its association with the p85 subunit of phosphatidylinositol 3-kinase (PubMed:20682778).

Images



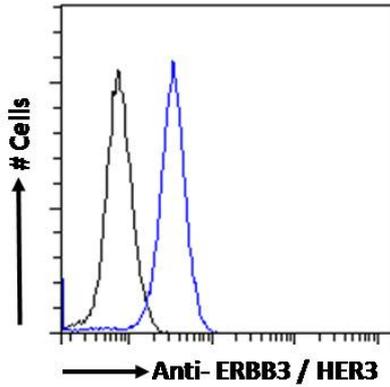
ARG63836 anti-ERBB3 / HER3 antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed MCF7 cells permeabilized with 0.15% Triton. Cells were stained with ARG63836 anti-ERBB3 / HER3 antibody (green) at 10 µg/ml dilution for 1 hour. DAPI (blue) for nuclear staining. Negative control: Unimmunized goat IgG (green) at 10 µg/ml dilution.



ARG63836 anti-ERBB3 / HER3 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63836 anti-ERBB3 / HER3 antibody at 5 $\mu\text{g}/\text{ml}$ dilution followed by AP-staining.



ARG63836 anti-ERBB3 / HER3 antibody FACS image

Flow Cytometry: Paraformaldehyde-fixed MCF7 cells permeabilized with 0.5% Triton. Cells were stained with ARG63836 anti-ERBB3 / HER3 antibody (blue line) at 10 $\mu\text{g}/\text{ml}$ dilution for 1 hour, followed by incubation with Alexa FluorR 488 labelled secondary antibody. IgG control: Unimmunized goat IgG (black line).