

ARG52855 anti-ERBB3 / HER3 antibody

Package: 500 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes ERBB3 / HER3
Tested Reactivity	Hu
Tested Application	IHC-P
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ERBB3 / HER3
Species	Human
Immunogen	Synthetic peptide derived from internal region of human c-erbB-3 protein.
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
	IHC-P	1:100
Application Note	IHC-P: Antigen Retrieval: Boil tissue section in 10mM citrate buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min. Incubation Time: 30 min at RT. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Breast Carcinoma, Colon Carcinoma	

Properties

Form	Liquid
Purification	Immunogen affinity purified
Buffer	PBS (pH 7.6), 1% BSA and < 0.1% Sodium azide
Preservative	< 0.1% Sodium azide
Stabilizer	1% BSA
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 The gene for c-erbB-3/HER-3 is located on the long arm of human chromosome 12 (12q13) and is transcribed into a 6.2kb mRNA which is translated into a 160/180kDa glycoprotein. The c-erbB-3/HER-3 gene encodes secreted as well as transmembrane receptor tyrosine kinase due to alternative splicing. The c-erbB-3 is overexpressed in a variety of tumors including breast, stomach, pancreas, and colon.

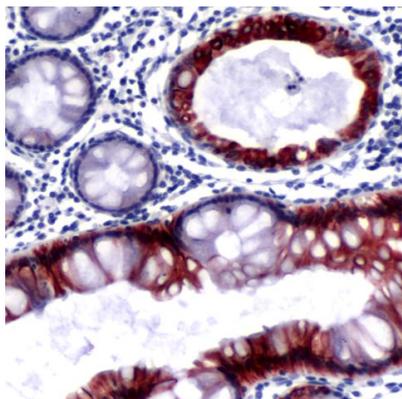
Research Area Cancer antibody; Controls and Markers antibody; Signaling Transduction antibody

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).

Cellular Localization Membrane

Images



ARG52855 anti-ERBB3 / HER3 antibody IHC-P image

Immunohistochemistry: Human Colon Carcinoma stained with ARG52855 anti-ERBB3 / HER3 antibody.