

ARG51811 anti-ERBB3 / HER3 phospho (Tyr1328) antibody

Package: 100 µl, 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes ERBB3 / HER3 phospho (Tyr1328)
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ERBB3 / HER3
Species	Human
Immunogen	Peptide sequence around phosphorylation site of tyrosine 1328 (P-D-Y(p)-W-H) derived from Human Her3/ErbB3.
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
	ICC/IF	1:100 - 1:200
	IHC-P	1:50 - 1:100
	WB	1:500 - 1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Antibodies were produced by immunizing rabbits with KLH-conjugated synthetic phosphopeptide. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. In addition, non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Buffer	PBS (without Mg ²⁺ and Ca ²⁺ , pH 7.4), 150mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Concentration	1 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. 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.

Note For laboratory research only, not for drug, diagnostic or other use.

Gene Symbol	ERBB3
Gene Full Name	erb-b2 receptor tyrosine kinase 3
Background	Binds and is activated by neuregulins and NTAK.
Function	Binds and is activated by neuregulins and NTAK. May also be activated by CSPG5. [UniProt]
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).

Western blot analysis of Her3/ErbB3 phosphorylation in A431 cells. The blot shows a single band for Her3/ErbB3 (pTyr1328) at approximately 170 kD. The band is present in the lane treated with EGF (+) and absent in the lane without EGF (-). Molecular weight markers are indicated on the left at 170, 130, 95, and 72 kD.

Western blot: Extracts from A431 cells untreated or treated with EGF stained with ARG51811 anti-ERBB3 / HER3 phospho (Tyr1328) antibody.

www.arigobio.com