

ErbB2 (HER-2) Polyclonal Antibody

Catalog NumberPA1-37426

Product data sheet

Details		Species Reactivity	
Size	1 mL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Paraffin) (IHC (P))	Dilution *1:300
Type	Antibody	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Immunogen	Synthetic peptide from C-terminus of human c-erbB-2 protein		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.33 mg/mL		
Storage Conditions	4° C, do not freeze		

Product specific information

This antibody is predicted to react with canine, mouse and rat based on sequence homology. Heat-mediated antigen retrieval is recommended prior to staining, using a 10mM citrate buffer, pH 6.0, for 10 minutes followed by cooling at room temperature for 20 min. Following antigen retrieval, incubate samples with primary antibody for 10 min at room temperature. A suggested positive control is breast carcinoma.

Background/Target Information

Protein tyrosine kinase that is part of several cell surface receptor complexes, but that apparently needs a coreceptor for ligand binding. Essential component of a neuregulin-receptor complex, although neuregulins do not interact with it alone. GP30 is a potential ligand for this receptor. Regulates outgrowth and stabilization of peripheral microtubules (MTs). Upon ERBB2 activation, the MEMO1-RHOA-DIAPH1 signaling pathway elicits the phosphorylation and thus the inhibition of GSK3B at cell membrane. This prevents the phosphorylation of APC and CLASP2, allowing its association with the cell membrane. In turn, membrane-bound APC allows the localization of MACF1 to the cell membrane, which is required for microtubule capture and stabilization.

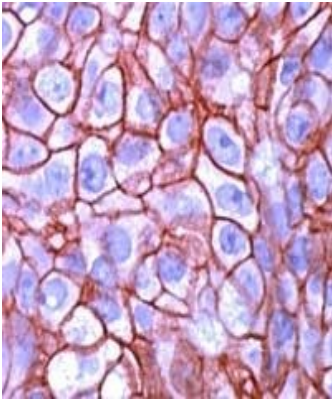
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Product Images For ErbB2 (HER-2) Polyclonal Antibody



**ErbB2 (HER-2) Antibody (PA1-37426) in IHC**  
Immunohistochemical analysis of ErbB2 using a polyclonal antibody (Product # PA1-37426).

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