

Product Datasheet

ErbB2 Antibody / HER2 (orb534133)

Catalog Number	orb534133
Category	Antibodies
Description	HER2/ErbB2 is a member of the epidermal growth factor (EGF) receptor family of receptor tyrosine kinases. This protein has no ligand binding domain of its own and therefore cannot bind growth factors. However, it does bind tightly to other ligand-bound EGF receptor family members to form a heterodimer, stabilizing ligand binding and enhancing kinase-mediated activation of downstream signalling pathways, such as those involving mitogen-activated protein kinase and phosphatidylinositol-3 kinase. Amplification and/or overexpression of this gene has been reported in numerous cancers, including breast and ovarian tumors. ErbB2 protein is over-expressed in a variety of carcinomas especially those of breast and ovary. [RefSeq]
Clonality	Monoclonal
Species/Host	Mouse
Isotype	Mouse IgG2a, kappa
Conjugation	Unconjugated
Reactivity	Human
Buffer/Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin and 0.05% sodium azide
Purification	Protein G affinity chromatography
Immunogen	A portion of amino acids 311-462 from the human protein was used as the immunogen for this ErbB2 antibody.
UniProt ID	P04626
Tested applications	IHC-P

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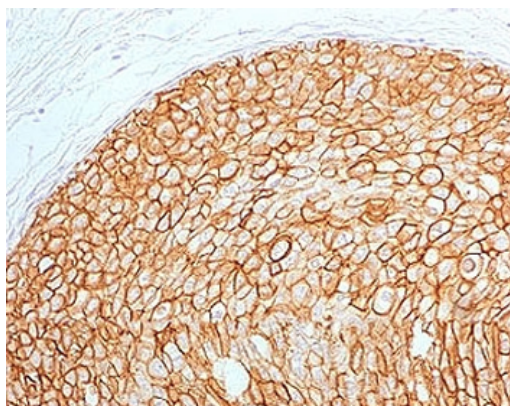
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Dilution range	Immunohistochemistry (FFPE): 1-2ug/ml
Application notes	The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the ErbB2 antibody to be titrated up or down for optimal performance.
Antibody Type	Primary Antibody
Clone Number	2KRI7-2
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



IHC testing of FFPE human breast carcinoma with ErbB2 antibody (clone 2KRI7-2). HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.

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