Recombinant HER-2 / c-erbB-2 / neu / CD340 Antibody

Rabbit Monoclonal Antibody [Clone ERBB2/9804R]

Catalog No	Format	Size
2064-RBM53-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
2064-RBM53-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
2064-RBM53-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

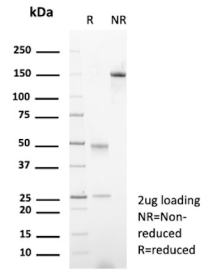
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

Clone	ERBB2/9804R
Immunogen	Recombinant fragment corresponding to the internal region of the human c-erbB-2 protein
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	137.91kDa
Cellular Localization	Cell membrane, Cell projection, Cytoplasm, Early endosome, Nucleus, Perinuclear region, Ruffle membrane
Species Reactivity	Human
Positive Control	Expressed in a variety of tumor tissues including primary breast tumors and tumors from small bowel, esophagus, kidney and mouth

**Optimal dilution for a specific application should be determined.*

Product Images for Recombinant HER-2 / c-erbB-2 / neu / CD340 Antibody



SDS-PAGE Analysis of Purified CD340 Recombinant Rabbit Monoclonal Antibody (ERBB2/9804R). Confirmation of Integrity and Purity of Antibody.

Specificity & Comments

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., In the nucleus is involved in transcriptional regulation. Associates with the 5'-TCAAATTC-3' sequence in the PTGS2/COX-2 promoter and activates its transcription. Implicated in transcriptional activation of CDKN1A; the function involves STAT3 and SRC. Involved in the transcription of rRNA genes by RNA Pol I and enhances protein synthesis and cell growth.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.