Receptor tyrosine-protein kinase erbB-2 Polyclonal Conjugated Antibody

Catalog No: #C42510

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Package Size: #C42510-AF350 100ul #C42510-AF405 100ul #C42510-AF488 100ul #C42510-AF555 100ul #C42510-AF594 100ul #C42510-AF647 100ul #C42510-AF680 100ul #C42510-AF750 100ul #C42510-Biotin 100ul

Description

Product Name	Receptor tyrosine-protein kinase erbB-2 Polyclonal Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total Receptor tyrosine-protein kinase erbB-2 polyclonal antibody.
Immunogen Description	Recombinant human Receptor tyrosine-protein kinase erbB-2 protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Metastatic lymph node gene 19 protein,Proto-oncogene Neu,Proto-oncogene c-ErbB-2,Tyrosine kinase-type cell surface receptor HER2,p185erbB2,CD_antigen,ERBB2,HER2, MLN19, NEU, NGL
Accession No.	Swiss-Prot#:P04626
Uniprot	P04626
GeneID	2064;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

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.

Note: This product is for in vitro research use only