

HER2 / ErbB2 Conjugated Antibody

Catalog No: #C48493



Package Size: #C48493-AF350 100ul #C48493-AF405 100ul #C48493-AF488 100ul
 #C48493-AF555 100ul #C48493-AF594 100ul #C48493-AF647 100ul
 #C48493-AF680 100ul #C48493-AF750 100ul #C48493-Biotin 100ul

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

Description

Product Name	HER2 / ErbB2 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Immunogen Description	peptide
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Verb b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog antibody C erb B2/neu protein antibody CD340 antibody CD340 antigen antibody Cerb B2/neu protein antibody CerbB2 antibody Erb b2 receptor tyrosine kinase 2 antibody ERBB2 antibody ERBB2_HUMAN antibody HER 2 antibody HER 2/NEU antibody HER2 antibody Herstatin antibody Human epidermal growth factor receptor 2 antibody Metastatic lymph node gene 19 protein antibody MLN 19 antibody MLN19 antibody NEU antibody NEU proto oncogene antibody Neuro/glioblastoma derived oncogene homolog antibody Neuroblastoma/glioblastoma derived oncogene homolog antibody NGL antibody p185erbB2 antibody Proto-oncogene c-ErbB-2 antibody Proto-oncogene Neu antibody Receptor tyrosine-protein kinase erbB-2 antibody TKR1 antibody Tyrosine kinase type cell surface receptor HER2 antibody Tyrosine kinase-type cell surface receptor HER2 antibody V erb b2 avian erythroblastic leukemia viral oncogene homolog 2 (neuro/glioblastoma derived oncogene homolog) antibody V erb b2 avian erythroblastic leukemia viral oncogene homolog 2 antibody V erb b2 avian erythroblastic leukemia viral oncoprotein 2 antibody V erb b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian) antibody V erb b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog antibody Verb b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian) antibody
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
Calculated MW	140kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide

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

HER2 is a member of the human epidermal growth factor receptor (HER/EGFR/ERBB) family. Amplification or overexpression of this oncogene has been shown to play an important role in the development and progression of certain aggressive types of breast cancer. In recent years the protein has become an important biomarker and target of therapy for approx. 30% of breast cancer patients. Over-expression is also known to occur in ovarian, stomach, and aggressive forms of uterine cancer, such as uterine serous endometrial carcinoma. The expression of HER2 is regulated by signaling through estrogen receptors. Normally, estradiol and tamoxifen acting through the estrogen receptor down-regulate the expression of HER2. However, when the ratio of the coactivator AIB-3 exceeds that of the corepressor PAX2, the expression of HER2 is upregulated in the presence of tamoxifen, leading to tamoxifen-resistant breast cancer.

Note: This product is for in vitro research use only