Product Datasheet

Her2 Monoclonal Antibody

Catalog No: #27150

Package Size: #27150-1 50ul #27150-2 100ul

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

Description

Product Name	Her2 Monoclonal Antibody
Host Species	Mouse
Clonality	Monoclonal
Purification	Affinity-chromatography
Applications	ELISA WB IHC
Species Reactivity	Hu
Specificity	Her2 antibody detects endogenous levels of total Her2
Immunogen Type	Recombinant protein
Immunogen Description	Purified recombinant fragment of human Her2 expressed in E. Coli
Target Name	Her2
Other Names	C-erbB-2, EC 2.7.10.1, Epidermal growth factor receptor-related protein, ErbB2, HER2, MLN 19, NEU, NEU proto-oncogene, NGL, Receptor protein-tyrosine kinase erbB-2, Receptor protein-tyrosine kinase erbB-2 precursor, Tyrosine kinase-type cell surface recep
Accession No.	Swiss-Prot#: P04626
SDS-PAGE MW	180KD
Concentration	1.0mg/ml
Formulation	Mouse IgG1 in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

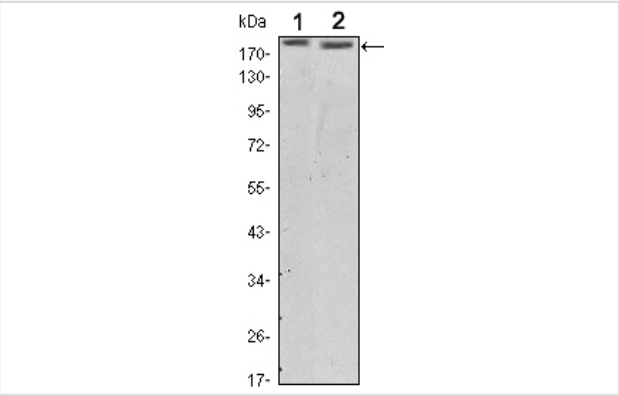
Application Details

ELISA: 1:10000

WB 1:500 - 1:2000

IHC 1:200 - 1:1000

Images



Western blot analysis using Her2 mouse mAb against SKBR3 (1) and MCF-7 (2) cell lysate.

Background

This gene encodes 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. Allelic variations at amino acid positions 654 and 655 of isoform a (positions 624 and 625 of isoform b) have been reported, with the most common allele, Ile654/Ile655, shown here. Amplification and/or overexpression of this gene has been reported in numerous cancers, including breast and ovarian tumors. Alternative splicing results in several additional transcript variants, some encoding different isoforms and others that have not been fully characterized.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.