Product Datasheet

HER2/ErbB2 Polyclonal Antibody

Catalog No: #21072

Package Size: #21072-1 50ul #21072-2 100ul

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

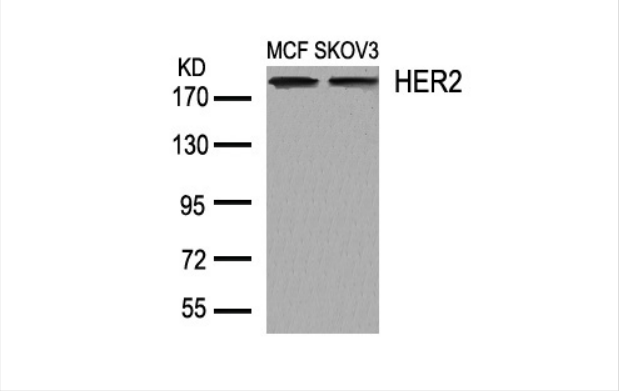
Description

Product Name	HER2/ErbB2 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IHC IF
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of total HER2 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa. 1246~1250 (P-E-Y-L-G) derived from Human HER2.
Conjugates	Unconjugated
Target Name	HER2
Other Names	C-erbB-2; ErbB2;
Accession No.	Swiss-Prot: P04626NCBI Protein: NP_001005862.1
Calculated MW	138kDa
SDS-PAGE MW	185kDa
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL 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 for long term preservation (recommended). Store at 4°C for short term use.

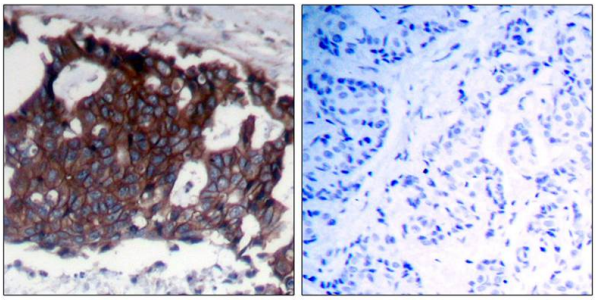
Application Details

WB 1:500-2000; IHC 1:50-200; IF 1:50-200;

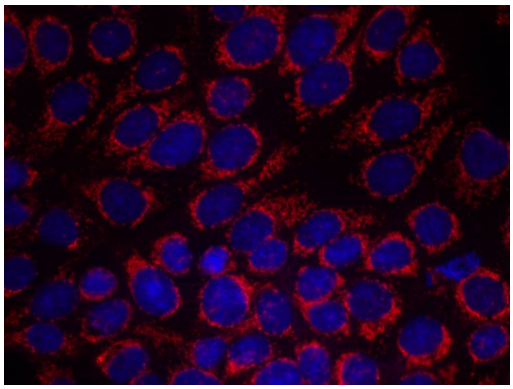
Images



Western blot analysis of extracts from MCF and SKOV3 cells using HER2(Ab-1248) Antibody #21072.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using HER2(Ab-1248) Antibody #21072(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed MCF7 cells using HER2(Ab-1248) Antibody #21072.

Background

Essential component of a neuregulin-receptor complex, although neuregulins do not interact with it alone. GP30 is a potential ligand for this receptor. Not activated by EGF, TGF-a and amphiregulin.

Ramsauer VP, et al. (2003)J Biol Chem; 278(32): 30142-7.

Jepson S, et al. (2002)Oncogene; 21(49): 7524-32.

Ren Z, et al. (2002)J Biol Chem; 277(41): 38486-93.

Eppenberger-Castori S, et al. (2001)J Clin Oncol; 19(3): 645-56.

Published Papers

el at., The ı ζ· ER2ı ζ• I3K/Aktı ζ• ASN Axisı ?Regulated Malignant Phenotype of Colorectal Cancer Cells. In Lipids on 2012 Apr by Nan Li, Xiaodong Bu, et al..PMID:22218925, , (2012)

PMID:22218925

el at., Loss of Fatty Acid Synthase Inhibits the "HER2-PI3K/Akt Axis" Activity and Malignant Phenotype of Caco-2 Cells.In Lipids Health Dis on 2013 Jun 1 by Nan Li, Heng Lu,et al..PMID:23725225, , (2013)

PMID:23725225

el at., Fatty Acid Synthase Regulates Proliferation and Migration of Colorectal Cancer Cells via HER2-PI3K/Akt Signaling Pathway.In Nutr Cancer on 2012 Aug by Nan Li, Xiaodong Bu,et al..PMID:22860766, , (2012)

PMID:22860766

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