

## HER2(Ab-1221/1222) Antibody

Catalog No: #21071

Package Size: #21071-1 50ul #21071-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	HER2(Ab-1221/1222) 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	Hu
Specificity	The antibody detects endogenous level of total HER2 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.1219~1223/1220~1224 (N-L-Y-Y -W) derived from Human HER2.
Target Name	HER2
Other Names	C-erbB-2; ErbB2;
Accession No.	Swiss-Prot: P04626NCBI Protein: NP_001005862.1
Uniprot	P04626
GeneID	2064;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), 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

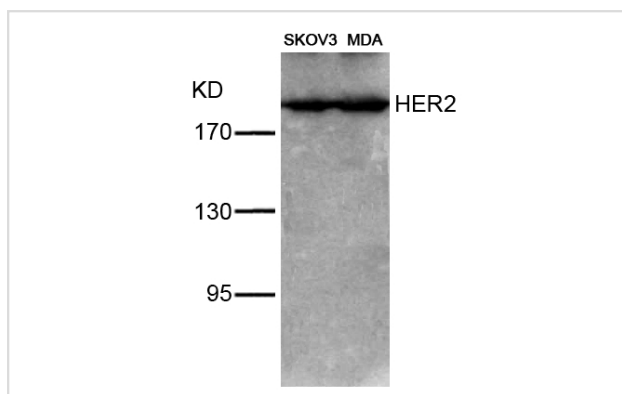
Predicted MW: 185kd

Western blotting: 1:500~1:1000

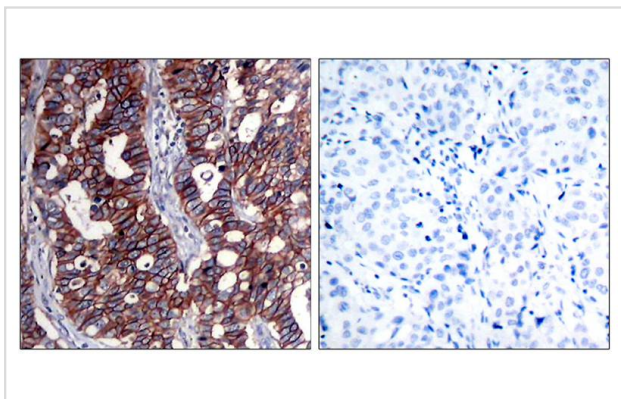
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

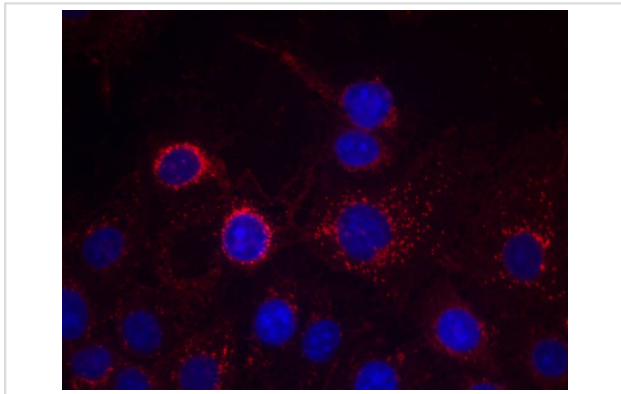
## Images



Western blot analysis of extracts from SKOV3 and MDA cells using HER2(Ab-1221/1222) Antibody #21071.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using HER2(Ab-1221/1222) Antibody #21071(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed MCF cells using HER2(Ab-1221/1222) Antibody #21071.

## 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- $\alpha$  and amphiregulin.

Marone R, et al. (2004) *Nat Cell Biol*; 6(6): 515-22.

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

Ouyang X, et al. (1998) *Carcinogenesis*; 19(11): 2013-9.

Ouyang X, et al. (1998) *Exp Cell Res*; 241(2): 467-75.

Klapper, L. N. et al. (2000) *Cancer Res*. 60, 3384-3388.

Note: This product is for in vitro research use only