

[KO Validated] HER2 / ErbB2 Rabbit Polyclonal Antibody

CAB2071



Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

185kDa

Calculated MW:

62kDa/70kDa/97kDa/134kDa
/136kDa/137kDa

Applications:

WB, IHC

Reactivity:

Human, Mouse, Rat

Category:

Polyclonal Antibodies

Antibody Information

Recommended dilutions:

WB 1:500 - 1:2000
IHC 1:50 - 1:100

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Protein 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 tumours. Alternative splicing results in several additional transcript variants, some encoding different isoforms and others that have not been fully characterized.

Immunogen information

Gene ID:

2064

Uniprot

P04626

Synonyms:

ERBB2; CD340; HER-2; HER-2/neu; HER2; MLN 19; NEU; NGL; TKR1; erb-b2 receptor tyrosine kinase 2; HER2/ErbB2; ErbB2; MLN19

Immunogen:

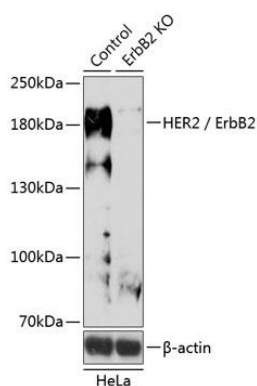
A synthetic peptide corresponding to a sequence within amino acids 1160 to the C-terminus of human HER2 / ErbB2 (NP_004439.2).

Storage:

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Product Images



Western blot analysis of extracts from normal (control) and HER2 / ErbB2 knockout (KO) HeLa cells, using HER2 / ErbB2 antibody (CAB2071) at 1:500 dilution.

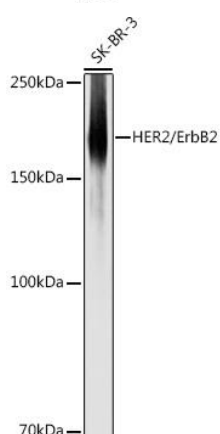
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

Blocking buffer: 3% non-fat dry milk in TBST.

Detection: ECL Basic Kit (AbGn00020).

Exposure time: 5min.



Western blot analysis of extracts of SK-BR-3 cells, using HER2 / ErbB2 antibody (CAB2071) at 1:500 dilution.

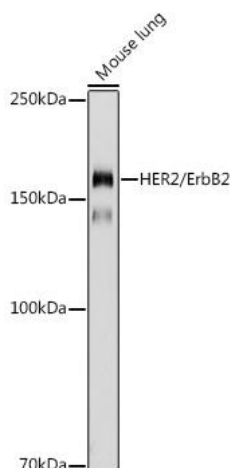
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

Blocking buffer: 3% non-fat dry milk in TBST.

Detection: ECL Basic Kit

Exposure time: 1s.



Western blot analysis of extracts of Mouse lung, using HER2 / ErbB2 antibody (CAB2071) at 1:500 dilution.

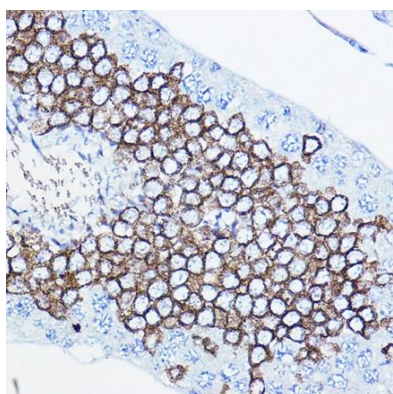
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

Blocking buffer: 3% non-fat dry milk in TBST.

Detection: ECL Basic Kit

Exposure time: 180s.



Immunohistochemistry of paraffin-embedded rat testis using [KO Validated] HER2 / ErbB2 Rabbit pAb (CAB2071) at dilution of 1:100 (40x lens).