

Mouse HER2 Monoclonal Antibody | anti-HER2 antibody

HER2 Monoclonal Antibody (11H9)

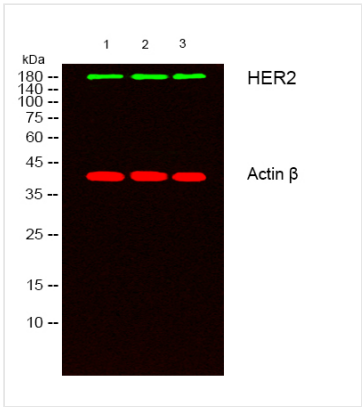
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30802	Mouse	Human, Mouse, Rat	Western Blot, Immunofluorescence, Immunocytochemistry, Immunohistochemistry

PRODUCT SYNONYMS

HER2; Monoclonal Antibody; HER2 Monoclonal Antibody (11H9); Receptor tyrosine-protein kinase erbB-2; ERBB2; MLN19; NEU; NGL; Metastatic lymph node gene 19 protein; MLN 19; Proto-oncogene Neu; Proto-oncogene c-ErbB-2; Tyrosine kinase-type cell surface receptor HER2; p185erbB2; CD340; anti-HER2 antibody

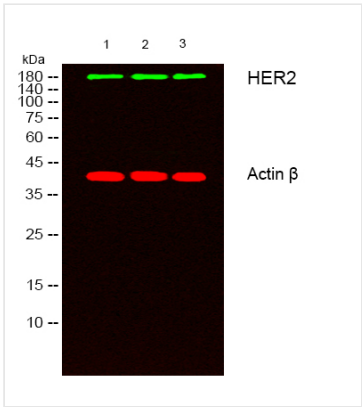
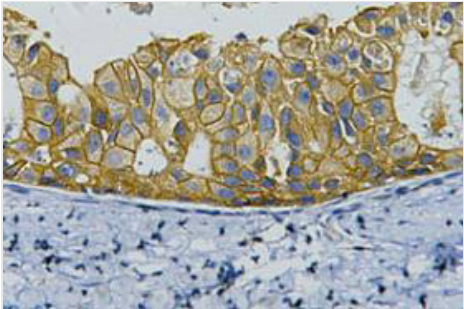
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	11H9
Specificity	The antibody detects endogenous ErbB-2/HER-2 proteins.
Purity/Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Form/Format	PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.
Applicable Applications for anti-HER2 antibody	WB (Western Blot), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Application Notes	WB: 1:2000-4000 IHC: 1:200 IF: 1:200
Immunogen	Synthetic Peptide of HER2
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year



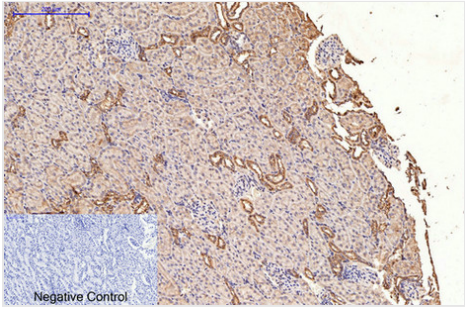
IF (Immunofluorescence)

Immunofluorescence analysis of Hela cell. 1.E2F-1 Polyclonal Antibody(red) was diluted at 1:200(4 degree overnight). HER2 Monoclonal Antibody(11H9)(green) was diluted at 1:200(4 degree overnight). 2. Goat Anti Rabbit Alexa Fluor 594 was diluted at 1:1000(room temperature. 50min). Goat Anti Mouse Alexa Fluor 488 was diluted at 1:1000(room temperature. 50min).



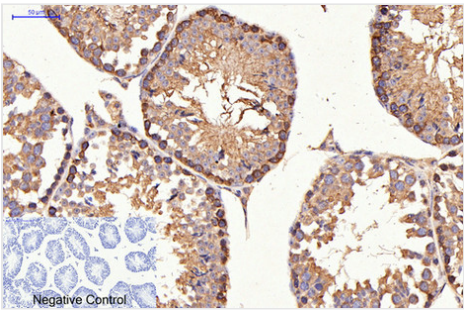
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Rat-kidney tissue. 1.HER2 Monoclonal Antibody(11H9) was diluted at 1:200(4 degree C.overnight). 2. Sodium citrate pH 6.0 was used for antibody retrieval(>98 degree C.20min). 3.Secondary antibody was diluted at 1:200(room temperature. 30min). Negative control was used by secondary antibody only.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Mouse-testis tissue. 1.HER2 Monoclonal Antibody(11H9) was diluted at 1:200(4 degree C.overnight). 2. Sodium citrate pH 6.0 was used for antibody retrieval(>98 degree C.20min). 3.Secondary antibody was diluted at 1:200(room temperature. 30min). Negative control was used by secondary antibody only.

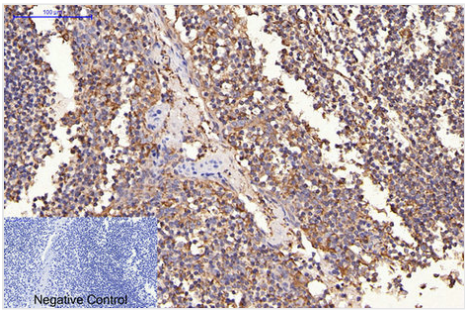


IHC (Immunohistochemistry)

IHC staining of human breast cancer tissue. diluted at 1:200.

IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Human-Tonsil tissue. 1.HER2 Monoclonal Antibody(11H9) was diluted at 1:200(4 degree C.overnight). 2. Sodium citrate pH 6.0 was used for antibody retrieval(>98 degree C.20min). 3.Secondary antibody was diluted at 1:200(room temperature. 30min). Negative control was used by secondary antibody only.



Application Data

Song, Xiaoping. et al. "A novel multi-target inhibitor harboring selectivity of inhibiting egrf T790M sparing wild-type EGFR." American journal of cancer research 7.9 (2017): 1884.

ADDITIONAL INFORMATION

Related Product Information for anti-HER2 antibody

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 d

NCBI AND UNIPROT INFORMATION

NCBI GI #	54792098
NCBI GeneID	2064
NCBI Accession #	NP_001005862.1
NCBI GenBank Nucleotide #	NM_001005862.1
UniProt Accession #	P04626; Q14256; Q6LDV1; Q9UMK4; B2RZG3; B4DHN3
Molecular Weight	137,910 Da
NCBI Official Full Name	receptor tyrosine-protein kinase erbB-2 isoform b
NCBI Official Synonym Full Names	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian)
NCBI Official Symbol	ERBB2
NCBI Official Synonym Symbols	NEU; NGL; HER2; TKR1; CD340; HER-2; MLN 19; HER-2/neu
NCBI Protein Information	receptor tyrosine-protein kinase erbB-2; herstatin; p185erbB2; proto-oncogene Neu; c-erb B2/neu protein; proto-oncogene c-ErbB-2; metastatic lymph node gene 19 protein; tyrosine kinase-type cell surface receptor HER2; neuroblastoma/glioblastoma derived on
UniProt Protein Name	Receptor tyrosine-protein kinase erbB-2
UniProt Gene Name	ERBB2
UniProt Synonym Gene Names	HER2; MLN19; NEU; NGL; MLN 19
UniProt Entry Name	ERBB2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/monoclonal/her2-antibody-clone-11h9-western-blot-immunofluorescence-immunocytochemistry-immunohistochemistry-elisa/30802>