BT LAB
Bioassay Technology Laboratory
*Optimize Your Research*

# HER2 Monoclonal Antibody(11H9)

## Description

| | |
|---|---|
| **Product type** | Primary Antibody |
| **Code** | BT-MCA0045 |
| **Host** | Mouse |
| **Isotype** | IgG |
| **Size** | 20ul, 50ul, 100ul |
| **Immunogen** | Synthetic Peptide of HER2 |
| **Mol wt** | 137910 |
| **Species reactivity** | Human,Mouse,Rat |
| **Clonality** | Monoclonal |
| **Recommended application** | WB, IF, ICC, IHC-p |
| **Concentration** | 1 mg/ml |
| **Full name** | Receptor tyrosine-protein kinase erbB-2 |
| **Synonyms** | ERBB2; HER2; MLN19; NEU; NGL; Receptor tyrosine-protein kinase erbB-2; 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 |

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

## 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 d

## Recommended Dilution

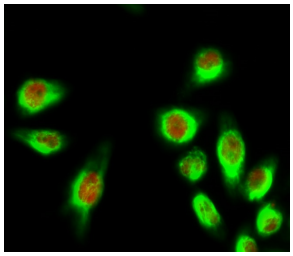
IF: 1:200

IHC: 1:200

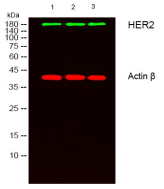
WB: 1:2000-4000

Not yet tested in other applications.

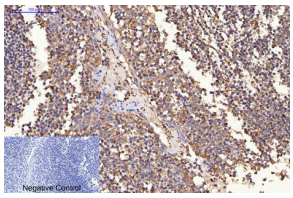
## Images



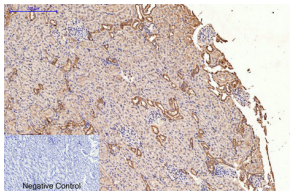
Immunofluorescence analysis of Hela cell. E2F-1 Polyclonal Antibody(red) was diluted at 1:200(4°C overnight). HER2 Monoclonal antibody(11H9)(green) was diluted at 1:200(4°C overnight).



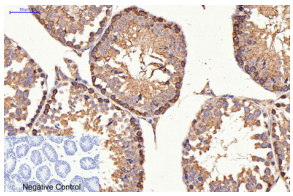

Western blot analysis of lysates from 1) Hela, 2) A431.3) MCF-7 cells, (Green) primary antibody was diluted at 1:1000, 4°overnight, secondary antibody was diluted at 1:10000, 37°C 1hour. (Red) Actin Beta Polyclonal Antibody antibody was diluted at 1:5000 as loading control, 4°C overnight,secondary antibody was diluted at 1:10000, 37°C 1hour.



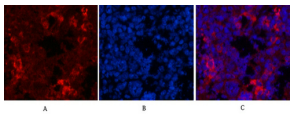

Immunohistochemical analysis of paraffin-embedded Human-Tonsil tissue. 1.HER2 Monoclonal antibody(11H9) was diluted at 1:200(4°C,overnight). 2.Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3.Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used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



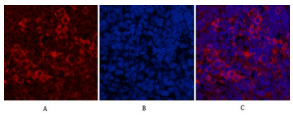

Immunohistochemical analysis of paraffin-embedded Rat-kidney tissue. 1.HER2 Monoclonal antibody(11H9) was diluted at 1:200(4°C,overnight). 2.Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3.Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used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



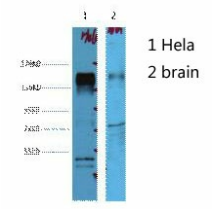

Immunohistochemical analysis of paraffin-embedded Mouse-testis tissue. 1.HER2 Monoclonal antibody(11H9) was diluted at 1:200(4°C,overnight). 2.Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3.Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used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



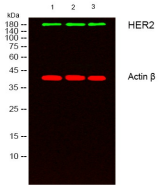

Immunofluorescence analysis of Mouse-spleen tissue. 1.HER2 Monoclonal antibody(11H9)(red) was diluted at 1:200(4°C,overnight). 2. Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3. Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B




Immunofluorescence analysis of Rat-spleen tissue. 1.HER2 Monoclonal antibody(11H9)(red) was diluted at 1:200(4°C,overnight). 2. Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3. Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B




Western blot analysis of 1) Hela, 2) Mouse Brain diluted at 1:4000.

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## Storage

-20°C for one year

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