



## **HER2 Antibody**

Mouse Monoclonal Antibody (Mab) Catalog # AD80234

#### **Specification**

#### **HER2 Antibody - Product info**

**IHC** Application **Primary Accession** P04626 Reactivity Human Host Mouse Clonality **Monoclonal** Calculated MW 137910

## **HER2 Antibody - Additional info**

Gene ID 2064 Gene Name ERBB2

**Other Names** 

Receptor tyrosine-protein kinase erbB-2, 2.7.10.1, 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, ERBB2, HER2, MLN19, NEU, NGL

**Dilution** 

IHC~~1:100~500

Storage

Maintain refrigerated at 2-8°C

**Precautions** HER2 Antibody is for research use only and

not for use in diagnostic or therapeutic

procedures.

## **HER2 Antibody - Protein Information**

Name ERBB2

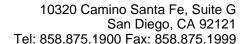
**Function** 

**Synonyms** HER2, MLN19, NEU, NGL

Protein tyrosine kinase that is part of several cell surface receptor complexes, but that apparently needs a coreceptor for ligand binding. Essential component of a neuregulin-receptor complex, although neuregulins do not interact with it alone. **GP30** is a potential ligand for this receptor. Regulates outgrowth and stabilization of peripheral microtubules (MTs). Upon

ERBB2 activation, the

MEMO1-RHOA-DIAPH1 signaling pathway elicits the phosphorylation and thus the





Cellular Location

Tissue Location

inhibition of GSK3B at cell membrane. This prevents the phosphorylation of APC and CLASP2, allowing its association with the cell membrane. In turn, membrane-bound APC allows the localization of MACF1 to the cell membrane, which is required for microtubule capture and stabilization. Isoform 1: Cell membrane; Single-pass type I membrane protein. Cytoplasm, perinuclear region. Nucleus Note=Translocation to the nucleus requires endocytosis, probably endosomal sorting and is mediated by importin beta-1/KPNB1 Isoform 3: Cytoplasm. Nucleus.

Expressed in a variety of tumor tissues including primary breast tumors and tumors from small bowel, esophagus, kidney and mouth.

# **HER2 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- <u>Immunofluorescence</u>
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

**HER2 Antibody - Images**