

**HER2 Antibody**  
**Rabbit Monoclonal Antibody (Mab)**  
**Catalog # AD80216****Specification**

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**HER2 Antibody - Product info**

Application	IHC
Primary Accession	<a href="#">P04626</a>
Reactivity	Human
Host	Rabbit
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~~Ready-to-use

**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**Synonyms****Function****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

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.

#### Tissue Location

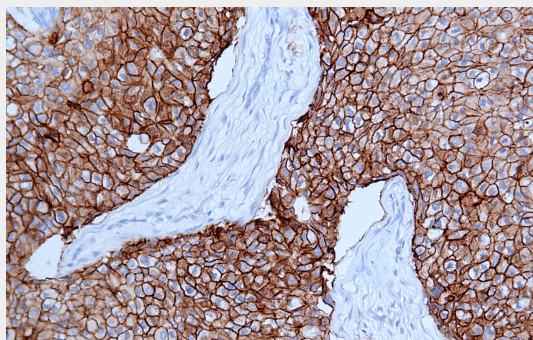
Expressed in a variety of tumor tissues including primary breast tumors and tumors from small bowel, esophagus, kidney and mouth.

### HER2 Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### HER2 Antibody - Images



Immunohistochemical analysis of paraffin-embedded breast cancer tissue using AD80216 performed on the Abcarta® FAIP-30 Fully automated IHC platform. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a Citrate buffer (pH6.0). Samples were incubated with primary antibody (Ready-to-use) for 15 min at room temperature. AmpSee™ Detection Systems [Abcepta:AR005] was used as the secondary antibody.