

## Her-2 (ABT008) IHC kit

CatalogNo: IHCM6882

### Key Features

#### Host Species

- Mouse

#### Reactivity

- Human,

#### Applications

- IHC

#### Isotype

- IgG2a,Kappa

### Recommended Dilution Ratios

### Storage

**Storage\*** 2°C to 8°C/1 year

### Basic Information

**Clonality** Monoclonal

**Clone Number** ABT008

### Immunogen Information

**Immunogen** Synthesized peptide derived from human Her-2 AA range: 300-400

**Specificity** The antibody can specifically recognize human Her-2 protein.

### Target Information

**Gene name** ERBB2 HER2 MLN19 NEU NGL

**Protein Name** Her-2

**Organism**

**Gene ID**

**UniProt ID**

Human

[2064](#);

[P04626](#);

**Cellular Localization**

Membranous

**Tissue specificity**

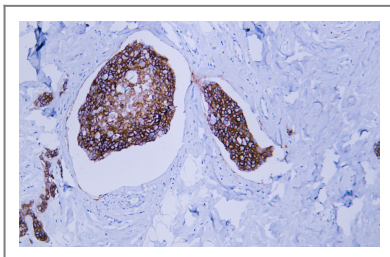
Expressed in a variety of tumor tissues including primary breast tumors and tumors from small bowel, esophagus, kidney and mouth.

**Function**

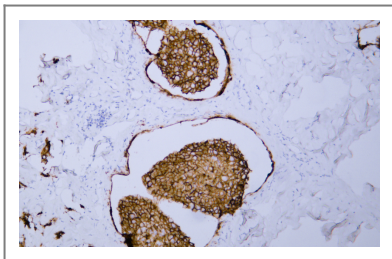
Catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,Disease:Defects in ERBB2 are associated with familial glioma of brain [MIM:137800]; also called glioblastoma multiforme. Gliomas are central nervous system neoplasms derived from glial cells and comprise astrocytomas, glioblastoma multiforme, oligodendrogliomas, and ependymomas.,Disease:Defects in ERBB2 are associated with gastric cancer [MIM:137215]; also known as hereditary familial diffuse gastric cancer (HDGC).,Disease:Defects in ERBB2 are associated with lung cancer [MIM:211980]; also called adenocarcinoma of lung.,Disease:Defects in ERBB2 are associated with ovarian cancer [MIM:167000]. Ovarian cancer is the leading cause of death from gynecologic malignancy. It is characterized by advanced presentation with loco-regional dissemination in the peritoneal cavity and the rare incidence of visceral metastases. These typical features relate to the biology of the disease, which is a principal determinant of outcome.,Function:Essential component of a neuregulin-receptor complex, although neuregulins do not interact with it alone. GP30 is a potential ligand for this receptor. Not activated by EGF, TGF-alpha and amphiregulin.,online information:ERBB2 entry,polymorphism:There are four alleles due to the variations in positions 654 and 655. Allele B1 (Ile-654/Ile-655) has a frequency of 0.782; allele B2 (Ile-654/Val-655) has a frequency of 0.206; allele B3 (Val-654/Val-655) has a frequency of 0.012.,PTM:Ligand-binding increases phosphorylation on tyrosine residues.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. EGF receptor subfamily.,similarity:Contains 1 protein kinase domain.,subunit:Heterodimer with each of the other ERBB receptors (Potential). Interacts with PRKCABP and PLXNB1. Part of a complex with EGFR and either PIK3C2A or PIK3C2B. May interact with PIK3C2B when phosphorylated on Tyr-1196. Interacts with MEMO when phosphorylated on Tyr-1248. Interacts with MUC1. Stimulation by heregulin (HRG) in breast cancer cell lines induces binding of MUC1 with gamma-catenin.,

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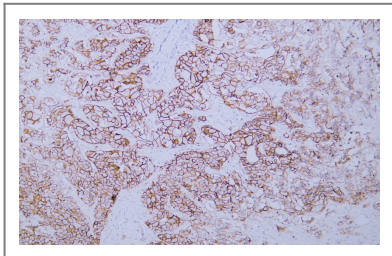
## Validation Data



Human breast carcinoma tissue was stained with Anti-Her-2 (ABT008) Antibody



Human breast carcinoma tissue was stained with Anti-Her-2 (ABT008) Antibody



Human metastatic hepatocellular carcinoma of the breast tissue was stained with Anti-Her-2 (ABT008) Antibody

## Contact information

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Website: <http://www.immunoway.com>  
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code to access additional product information:  
**Her-2 (ABT008) IHC kit**

For Research Use Only. Not for Use in Diagnostic Procedures.

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