

**Anti-ERBB2 / HER2 / CD340 Reference Antibody (Trastuzumab emtansine)  
Recombinant Antibody  
Catalog # APR10901**

**Specification**

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**Anti-ERBB2 / HER2 / CD340 Reference Antibody (Trastuzumab emtansine) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | FC, E, FTA             |
| Primary Accession | <a href="#">P04626</a> |
| Reactivity        | Human                  |
| Clonality         | Monoclonal             |
| Isotype           | IgG1                   |
| Calculated MW     | 145 KDa                |

**Anti-ERBB2 / HER2 / CD340 Reference Antibody (Trastuzumab emtansine) - Additional Information**

**Target/Specificity**

ERBB2 / HER2 / CD340

**Endotoxin**

< 0.001EU/ µg,determined by LAL method.

**Conjugation**

DM1

**Expression system**

CHO Cell

**Format**

Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

**Anti-ERBB2 / HER2 / CD340 Reference Antibody (Trastuzumab emtansine) - Protein Information**

**Name** ERBB2

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

**Function**

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 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.

#### Cellular Location

Cell membrane; Single-pass type I membrane protein. Cell projection, ruffle membrane; Single-pass type I membrane protein. Note=Internalized from the cell membrane in response to EGF stimulation. [Isoform 2]: Cytoplasm. Nucleus.

#### Tissue Location

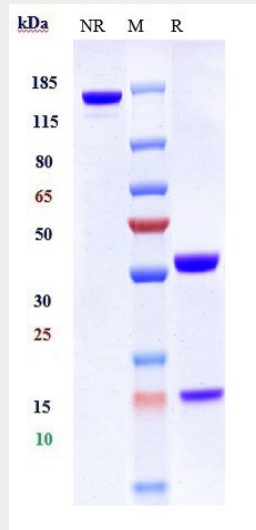
Expressed in a variety of tumor tissues including primary breast tumors and tumors from small bowel, esophagus, kidney and mouth.

### Anti-ERBB2 / HER2 / CD340 Reference Antibody (Trastuzumab emtansine) - Protocols

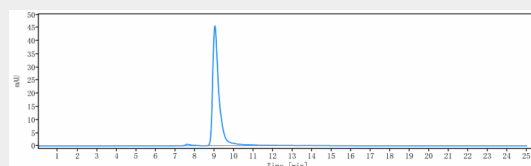
Provided below are standard protocols that you may find useful for product applications.

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

### Anti-ERBB2 / HER2 / CD340 Reference Antibody (Trastuzumab emtansine) - Images



Anti-ERBB2 / HER2 / CD340 Reference Antibody (Trastuzumab emtansine) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



The purity of Anti-ERBB2 / HER2 / CD340 Reference Antibody (Trastuzumab emtansine) is more

than 95% ,determined by SEC-HPLC.