

# Anti-ERBB2 / HER2 / CD340 Reference Antibody (coprelotamab)

Recombinant Antibody Catalog # APR10899

## **Product Information**

**Application** FC, Kinetics, Animal Model

Primary Accession
Reactivity
Human
Clonality
Monoclonal
Isotype
IgG1
Calculated MW
137910

#### **Additional Information**

Target/Specificity ERBB2 / HER2 / CD340

**Endotoxin** 

**Conjugation** Unconjugated

Expression system CHO Cell

Format Purified monoclonal antibody supplied in PBS, pH6.0, without

preservative. This antibody is purified through a protein A column.

#### **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

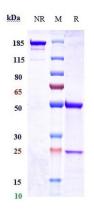
membrane; Single-pass type I membrane protein. Note=Internalized from the cell membrane in response to EGF stimulation. [Isoform 2]: Cytoplasm.

Nucleus.

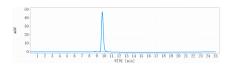
### **Tissue Location**

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

# **Images**



Anti-ERBB2 / HER2 / CD340 Reference Antibody (coprelotamab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



The purity of Anti-ERBB2 / HER2 / CD340 Reference Antibody (coprelotamab)is more than 95% ,determined by SEC-HPLC.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.