

Anti-Her2/ERBB2 Antibody (3Y105)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	3Y105
Purification:	Protein A

Applications

Verified Activity:	<ol style="list-style-type: none">1. Flow cytometric Analysis of anti-ErbB2 (0.5 µL/test) on MCF-7 cells. MCF-7 cells were detached using 1X trypsin, washed, then stained with purified rabbit anti-human ErbB2. Second step staining with FITC conjugated goat anti-rabbit IgG (H+L) polyclonal antibody.2. Immunochemical staining of human ERBB2 in human breast carcinoma with rabbit monoclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.3. Immunofluorescence staining of Erbb2 in SKBR3 cells. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with rabbit anti-Human Erbb2 monoclonal antibody (dilution ratio 1:60) at 4°C overnight. Then cells were stained with the Alexa Fluor®488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to Cytoplasm and Cell membrane.
Application:	ELISA,FCM,ICC/IF,IHC-P
Recommended	ELISA: 1:5000-1:10000; IHC-P: 1:100-1:500; ICC-IF: 1:20-1:100; FCM: 1:25-1:100

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human HER2/ErbB2/CD340 Protein (TMPY-01137)
Antigen Species:	Human
Synonyms:	erb-b2 receptor tyrosine kinase 2;EGFR2
Biology Area:	Cancer Drug Targets, Receptor Tyrosine Kinases (RTKs)

Research Background

Human epidermal growth factor receptor 2 (HER2), also known as ErbB2, NEU, and CD340, is a type I membrane glycoprotein and belongs to the epidermal growth factor (EGF) receptor family. HER2 protein cannot bind growth factors due to the lacking of ligand binding domain of its own and autoinhibited constitutively. However, HER2 forms a heterodimer with other ligand-bound EGF receptor family members, therefore stabilizes ligand binding and enhances kinase-mediated activation of downstream molecules. HER2 plays a key role in development, cell proliferation and differentiation. HER2 gene has been reported to associate with malignancy and a poor prognosis in numerous carcinomas, including breast, prostate, ovarian, lung cancers and so on. Cancer Immunotherapy/Immune Checkpoint/Immunotherapy/Targeted Therapy

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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