

Recombinant HER2/ErbB2/CD340 Monoclonal Antibody

catalog number: **AN300004P**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

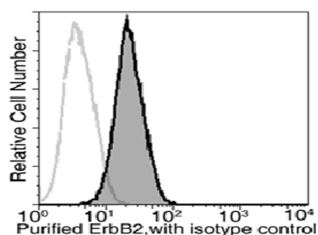
Description

| | |
|---------------------|--|
| Reactivity | Human |
| Immunogen | Recombinant Human HER2/ErbB2/CD340 Protein |
| Host | Rabbit |
| Isotype | IgG |
| Clone | 1A8 |
| Purification | Protein A |
| Buffer | 0.2 µm filtered solution in PBS |

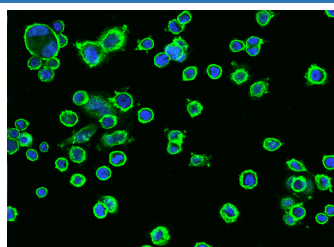
Applications

| Applications | Recommended Dilution |
|--------------|----------------------|
| IHC-P | 1:100-1:500 |
| ICC/IF | 1:20-1:100 |
| FCM | 1:25-1:100 |

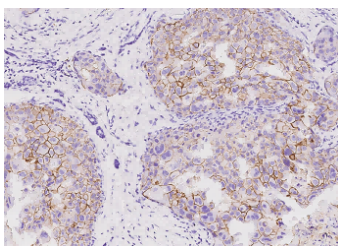
Data



Flow cytometric Analysis of HER2/ErbB2/CD340 Monoclonal Antibody on MCF-7 cells. MCF-7 cells were detached using 1× trypsin, washed, then stained with purified rabbit anti-human ErbB2. Second step staining with FITC conjugated goat anti-rabbit IgG (H+L) polyclonal antibody.



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 for nuclear staining (blue). Positive staining was localized to Cytoplasm and Cell membrane.



Immunohistochemistry of paraffin-embedded human breast carcinoma using HER2/ErbB2/CD340 Monoclonal Antibody at dilution of 1:200.

Preparation & Storage

For Research Use Only

Toll-free: 1-888-852-8623
Web: www.elabscience.com

Tel: 1-832-243-6086
Email: techsupport@elabscience.com

Fax: 1-832-243-6017

Rev. V1.1

Storage

This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.

Shipping

Ice bag

Background

ErbB2, also called Neu and Her2, is a transmembrane glycoprotein in the ErbB family of tyrosine kinase receptors for EGF superfamily growth factors. ErbB2 is widely expressed in epithelial cells and over-expressed in a large number of breast carcinomas. ErbB2 has no identified ligands but heterodimerizes with ErbB1/EGF R, ErbB3, or ErbB4 to form higher affinity signaling complexes. The protease ADAM10 releases a 110 kDa soluble fragment of ErbB2 from the cell surface. ErbB2 plays roles in development, cancer, communication at the neuromuscular junction, and regulation of cell growth and differentiation. The ErbB2/ErbB3 heterodimer is expressed in the majority of breast, skin, ovary and gastrointestinal tumors and transduces a highly mitogenic signal in response to neuregulin 1 (NRG1; heuregulin 1) or NRG2. ErbB3, ErbB2 and neuregulin are all required for formation of the sympathetic nervous system.

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