Recombinant HER2/ErbB2/CD340 Monoclonal Antibody

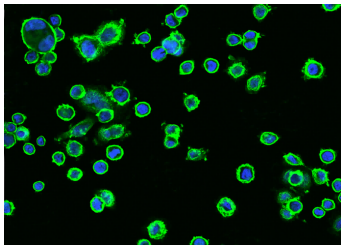
catalog number: AN300004P

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



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℃ 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.

Preparation & Storage

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

Background

Toll-free: 1-888-852-8623
Tel: 1-832-243-6086
Fax: 1-832-243-6017
Web:www.elabscience.com
Email:techsupport@elabscience.com

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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