

A Reliable Research Partner in Life Science and Medicine

Recombinant Phospho-HER2/ErbB2 (Tyr1221, 1222) Monoclonal Antibody

catalog number: AN300005L

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

Description

Reactivity Human

Immunogen A synthetic phosphopeptide corresponding to residues around (Tyr1221, 1222) of

human HER2/ErbB2.

Host Rabbit Isotype **IgG** Clone A1115 **Purification** Protein A

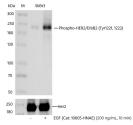
Buffer 10 mM sodium HEPES, 150 mM NaCl, 100 µg/mL protein protectant, 50% glycerol,

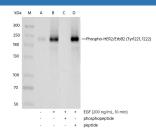
pH 7.5

Applications Recommended Dilution

1:10000-1:200000 **WB**

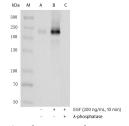
Data





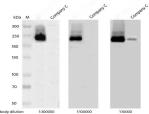
Western blot analysis of extracts from serum-starved SkBr3, Western blot analysis of extracts from serum-starved SkBr3, untreated (-) or treated with EGF (Cat: PKSH031641) (200 ng/mL, 10 min; +), using Phospho-HER2/ErbB2 (Tyr1221, 1222) Monoclonal Antibody at 1:200000 dilution (upper) or Anti-Her2/ERBB2 Antibody, Mouse Monoclonal at 1:500 dilution (lower).

Observed-MW:220 kDa Calculated-MW:138 kDa



untreated (line A); treated with EGF (Cat: PKSH031641) (200 ng/mL, 10 min), without peptide (line B) or antigenspecific phosphopeptide (line C) or antigen-specific peptide (line D) using Phospho-HER2/ErbB2 (Tyr1221, 1222) Monoclonal Antibody at 1:200000 dilution.

> Observed-MW:220 kDa Calculated-MW:138 kDa



untreated (line A); treated with EGF (Cat: PKSH031641) (200 ng/mL, 10 min) (line B); treated with EGF and λphosphatase (line C) using Phospho-HER2/ErbB2 (Tyr1221, 1222) Monoclonal Antibody at 1:200000 dilution.

> Observed-MW:220 kDa Calculated-MW:138 kDa

Western blot analysis of extracts from serum-starved SkBr3, Western blot analysis of extracts from serum-starved SkBr3, treated with EGF (Cat: PKSH031641) (200 ng/mL, 10 min), using Phospho-HER2/ErbB2 (Tyr1221, 1222) Monoclonal Antibody and other brands' antibodies (Company C) at dilution of 1:300000, 1:100000 and 1:10000.

> Observed-MW:220 kDa Calculated-MW:138 kDa

Preparation & Storage

For Research Use Only

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



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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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