

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human ErbB3 when phosphorylated at Y1262 in Western blots.
Source	Polyclonal Rabbit IgG
Purification	Antigen Affinity-purified
Immunogen	Phosphopeptide containing human ErbB3 Y1262 site
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

ErbB3 (also known as HER3) is a type I transmembrane growth factor receptor and member of the human epidermal growth factor receptor (HER) family. ErbB3 is unique among HER family members in that it contains a defective kinase domain, and is therefore active only as a partner in a heterodimer complex with other ErbBs. Despite ErbB3's lack of intrinsic kinase activity, these heterodimers can be quite potent: the ErbB2/ErbB3 complex is considered the most active ErbB signaling dimer for the activation of downstream pathways. In addition, monomeric ErbB3 serves as a low affinity receptor for the heregulins (HRG), while ErbB2/ErbB3 heterodimers form a high affinity receptor complex. Phosphorylation of ErbB3 at Y1262 following ligand binding generates a binding site for the Grb2 adaptor protein.

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