Human Phospho-ErbB3/Her3 (Y1262) Antibody

Antigen Affinity-purified Polyclonal Rabbit IgG
Catalog Number: AF5817

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
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 μm filtered solution in PBS.

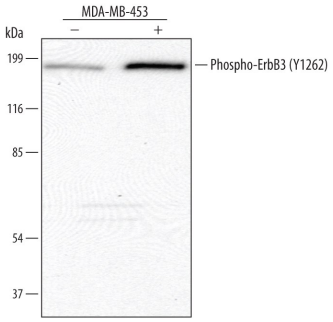
APPLICATIONS

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.*

	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below

DATA

Western Blot



Detection of Human Phospho-ErbB3/Her3 (Y1262) by Western Blot. Western blot shows lysates of MDA-MB-453 human breast cancer cell line untreated (-) or treated (+) with 300 ng/mL Recombinant Human NRG1-β/HRG1-β (Catalog # 396-HB) for 5 minutes. PVDF membrane was probed with 1 µg/mL of Human Phospho-ErbB3/Her3 (Y1262) Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5817), followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # HAF008). A specific band was detected for Phospho-ErbB3/Her3 (Y1262) at approximately 185 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.

bio-techne
bio-techne.com
Global info@bio-techne.com techsupport@bio-techne.com
North America TEL 800 343 7475 Europe | Middle East | Africa TEL +44 (0)1235 529449
China info.cn@bio-techne.com TEL +86 (21) 52380373
Rest of World bio-techne.com/find-us/distributors TEL +1 612 379 2956