

DESCRIPTION

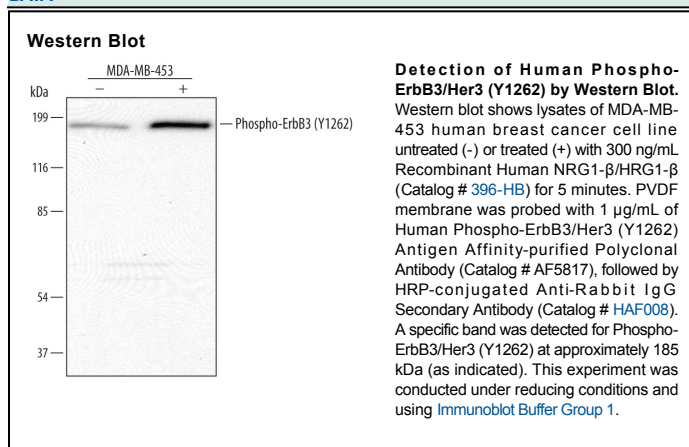
Species Reactivity	Human
Specificity	Detects human ErbB3 when phosphorylated at Y1262 in Western blots.
Source	Polyclonal Rabbit IgG
Purification	Antigen Affinity-purified
Immunogen	Phosphopeptide containing human ErbB3 Y1262 site
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. 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



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	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> ● 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.