

Product datasheet for **AM00054BT-N**

ErbB 3 (ERBB3) (C-term) (incl. pos. control) Mouse Monoclonal Antibody [Clone ID: 11A4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	11A4
Applications:	WB
Recommended Dilution:	Immunoblotting: 0.5 µg/ml for HRPO/ECL detection. <i>Recommended blocking buffer:</i> Casein/Tween 20 based blocking and blot incubation buffer AS00002BU-N or AS00002BU-L. <i>Included Positive Control:</i> Cell lysate from untreated SW620 cells (See Protocols for more details).
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic peptide conjugated to KLH. Epitope: C-terminus
Specificity:	This antibody specifically recognizes the C-terminus of erbB3 at 185 kDa.
Formulation:	PBS, 0.09% Sodium Azide/PEG and Sucrose. Label: Biotin State: Liquid purified IgG fraction.
Concentration:	lot specific
Purification:	Subsequent Thiophilic Adsorption and Size Exclusion Chromatography.
Conjugation:	Biotin
Storage:	Aliquote and freeze in liquid nitrogen Antibody can be stored frozen at -80°C up to 1 year. Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to 3 months.
Gene Name:	erb-b2 receptor tyrosine kinase 3
Database Link:	Entrez Gene 2065 Human P21860



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Background:	ErbB3 is a member of the EGFR/erbB receptor tyrosine kinase family. ErbB3 lacks intrinsic kinase activity due to an amino acid substitution within the ATP binding site. Upon heterodimerization with the other erbB family members, erbB3 becomes phosphorylated at multiple tyrosine residues that represent docking sites for downstream signaling proteins, e.g. PI3K, grb7 and shc. The erbB3 cytoplasmic domain contains 6 docking sites for PI3K. Thus, erbB3 is a potent activator of the PI3K/PKB signaling pathway.
Synonyms:	ERBB-3, c-erbB-3, HER-3
Note:	Mol. weight: 185 kDa. Protocol: Positive Control Provided. Cell lysate from untreated SW620 Description: Cell lysate from untreated SW620 cells, colorectal adenocarcinoma (Human) Format: Lyophilized cell lysate from starved cells SW 620 cells. Reconstitution: Restore by addition of 200 µl H ₂ O. After complete solubilization add 200 µl 2x SDS-PAGE sample buffer, mix and incubate at 90°C for 5 min. Storage: Aliquote and store frozen. Avoid repeated freeze/thaw cycles. Application: The positive control cell lysate is recommended for immunoblot applications. 20 µl of positive control cell lysate correspond to ca. 80.000 cells. Use 20 µl / lane (mini gel) for HRPO/ECL detection of the target proteins. Please note: The lyophilized cell lysates contain SDS and are not recommended for applications with native proteins such as immunoprecipitation.
Protein Families:	Adult stem cells, Druggable Genome, Protein Kinase, Secreted Protein, Stem cell - Pluripotency, Transmembrane
Protein Pathways:	Calcium signaling pathway, Endocytosis, ErbB signaling pathway