**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for AM00054PU-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:** | **Western blot:** 0.5 µg/ml for HRPO/ECL detection.<br>Recommended blocking buffer: Casein/Tween 20 based blocking and blot incubation buffer.<br>*Included Positive Control:* Cell lysate from untreated SW620 cells (See Protocols). |
| **Reactivity:** | Human |
| **Host:** | Mouse |
| **Isotype:** | IgG1 |
| **Clonality:** | Monoclonal |
| **Immunogen:** | Synthetic peptide hemocyanin conjugated derived from C-terminus of erB3/HEr3 |
| **Specificity:** | This antibody specifically recognizes the C-terminus of erbB3 at 185 kDa. |
| **Formulation:** | 1ml PBS<br>State: Purified<br>State: Lyophilized purified IgG fraction<br>Stabilizer: PEG and Sucrose<br>Preservative: 0.09% Sodium Azide |
| **Reconstitution Method:** | Restore with 1 ml $H_2O$ (15 min, RT) |
| **Purification:** | Subsequent Thiophilic Adsorption and Size Exclusion Chromatography |
| **Conjugation:** | Unconjugated |
| **Storage:** | Store lyophilized (preferably in a desiccator) at -20°C and reconstituted (aliquote and freeze in liquid nitrogen) at -80°C.<br>Avoid repeated freezing and thawing.<br>Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to 3 months. |
| **Stability:** | Shelf life: one year from despatch. |
| **Predicted Protein Size:** | 185 kDa |
| **Gene Name:** | erb-b2 receptor tyrosine kinase 3 |

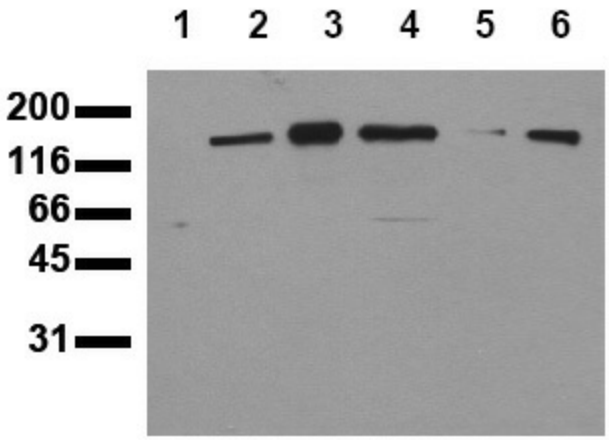
View online »

**Database Link:** Entrez Gene 2065 Human
P21860

**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

## Product images:




Detection of Endogenous ErbB3: Whole cell lysates of EGF stimulated serum starved tumor cells (20.000 cells per lane) were applied to SDS-PAGE and transferred to PVDF membranes. Immunoblots were probed with mab erbB3-11A4 (0.5 ug/ ml) for 1h at RT and developed by ECL (exp. time: 30 sec). Lane 1: MDA-MB 231 Lane 2: MDA-MB 468 Lane 3: MCF-7 Lane 4: T47D Lane 5: SW480 Lane 6: SW620