

Mouse Monoclonal Antibody to ERBB3

Catalogue Number	sAP-0206
Target Molecule	Name: ERBB3 Aliases: HER3; LCCS2 MW: N/A
Description	ERBB3: v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian). This gene encodes a member of the epidermal growth factor receptor (EGFR) family of receptor tyrosine kinases. This membrane-bound protein has a neuregulin binding domain but not an active kinase domain. It therefore can bind this ligand but not convey the signal into the cell through protein phosphorylation. However, it does form heterodimers with other EGF receptor family members which do have kinase activity. Heterodimerization leads to the activation of pathways which lead to cell proliferation or differentiation. Amplification of this gene and/or overexpression of its protein have been reported in numerous cancers, including prostate, bladder, and breast tumors. Alternate transcriptional splice variants encoding different isoforms have been characterized.
Immunogen	Purified recombinant fragment of ERBB3 (aa1175-1275) expressed in E. Coli.
Recitative Species	Human
Clone	MM3F10F6;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Cancer Sci. 2007 Sep;98(9):1498-503. ; 2. Breast Cancer Res. 2008;10(1):R2.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**