

Mouse Monoclonal Antibody to ERBB2

Catalogue Number	sAP-0464
Target Molecule	Name: ERBB2 Aliases: NEU; HER2; TKR1; CD340; HER-2 MW: 180kDa Entrez Gene ID: 2064
Description	ERBB2: v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian). This gene encodes a member of the epidermal growth factor (EGF) receptor family of receptor tyrosine kinases. This protein has no ligand binding domain of its own and therefore cannot bind growth factors. However, it does bind tightly to other ligand-bound EGF receptor family members to form a heterodimer, stabilizing ligand binding and enhancing kinase-mediated activation of downstream signalling pathways, such as those involving mitogen-activated protein kinase and phosphatidylinositol-3 kinase. Allelic variations at amino acid positions 654 and 655 of isoform a (positions 624 and 625 of isoform b) have been reported, with the most common allele, Ile654/Ile655, shown here. Amplification and/or overex-
Immunogen	Purified recombinant fragment of human ERBB2(aa750-987) expressed in E. Coli.
Recitative Species	Human
Clone	MM6C2;
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; FCM: 1 to 200 - 1 to 400
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. RR Mehta, JH McDermott, TJ Hieken, et al. J. Clin. Oncol. 1998;16:2409 - 2416. ; 2. Hideko Y, Vered S, and Daniel F.H, et al. J. Clin. Oncol.2001;19:2334 - 2356. ; 3. Magali F, Kamel H, Cile B, et al. Clinical Cancer Research. 2000;6:4745-4754.

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 ender users! This product is sold for **Research Use Only**