

ERBB2(V777A)

ErbB2(V777A)

Cat. #: 26080

Gene Symbol: ERBB2/HER2/Neu

Description: Anti-ErbB2(V777A) Mouse Monoclonal Antibody

Background: The ErbB family is composed of four plasma membrane-bound receptor tyrosine kinases. Amplification or over-expression of the ERBB2 gene occurs in approximately 30% of breast cancers. HER2 is encoded by ERBB2, a known proto-oncogene located at the long arm of human chromosome 17(17q21-q22). HER2 proteins have been shown to form clusters in cell membranes that may play a role in tumorigenesis. Mutations of ErbB2 protein, including V777A, have been indicated in human cancers.

Immunogen: A synthetic peptide surround the 777A codon of ErbB2 protein.

Tested Applications: ELISA, WB, IF, IHC

Recommended Dilutions:

ELISA: 1:500-1:5000

WB: 1:200-1:2000

IF: 1:100

IHC: 1:50-1:100

Concentration: 0.2 mg/ml

Host Species: Mouse

Format: Liquid

Clonality: Monoclonal

Isotype: IgG

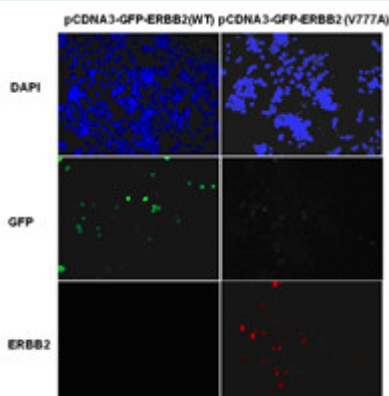
Purity: Purified from ascites

Preservative: No

Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 50% glycerol

Species Reactivity: Recognizes V777A mutant but not wild type ErbB2 protein, of vertebrates.

Storage Conditions: Store at -20°C. Avoid repeated freezing and thawing.



Immunofluorescence:

Immunofluorescence of cells expressing ErbB2 proteins with Anti-ErbB2(V777A) antibody.

HEK293T cells were transfected with pCDNA3-GFP- ErbB2 WT plasmid (left column) or pCDNA3-GFP-ErbB2(V777A) plasmid (right column), then fixed and stained with Anti-ErbB2(V777A) monoclonal antibody (Cat. #26080).