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ERBB2 (V777A)

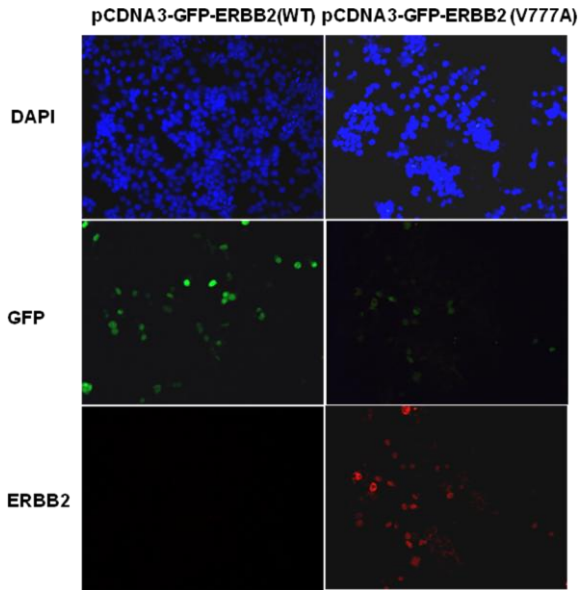
Catalog Number: 26080
Gene Symbol: ERBB2/HER2/Neu
Description: Anti-ErbB2 (V777A) mouse monoclonal Antibody

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 surrounding the 777A codon of ErbB2 protein**.**
Tested applications: ELISA, WB, 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: Mouse
Clonality: monoclonal
Purity: Purified from serum
Format: Liquid
Storage buffer:
Preservative: no
Constituents: PBS (without Mg^{2+} and Ca^{2+}), 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 ℃. Avoid freeze / thaw cycles

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).