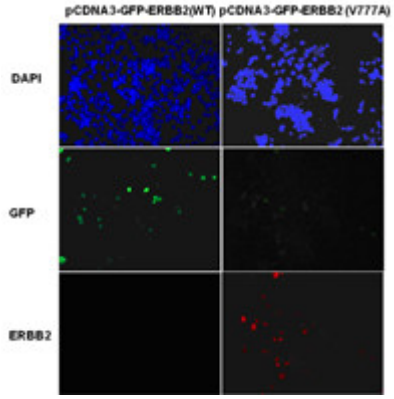
# ERBB2(V777A)

## 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 $Mg^{2+}$ 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°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).