

ERBB2 (D769H)

Catalog Number: 26381

Gene Symbol: ERBB2/HER2/Neu/c-Neu

Description: Anti-ERBB2 (D769H) Mouse Monoclonal Antibody

Background: The HER-2/neu oncogene, a member of the epidermal growth factor receptor or erb-B gene-like family, encodes a transmembrane tyrosine kinase receptor that mediates extracellular signals activated by epidermal growth factors. Her2 abnormal has been strongly associated with many malignant tumors, especially with breast cancers. The expression level of Her2 is an important criteria in clinic evaluating of the progression of breast cancer.

Immunogen: A synthetic peptide from the internal region of ERBB2 which includes the mutation of D769H, human origin.

Tested applications: ELISA, WB, IHC

Recommended dilutions:

ELISA: 1:1000-1:2000

WB: 1:500-1:1000

IF: 1:25-1:50

Concentration: 1 mg/ml

Host: Mouse

Clonality: Monoclonal

Purity: Purified from ascites

Format: Liquid

Storage buffer:

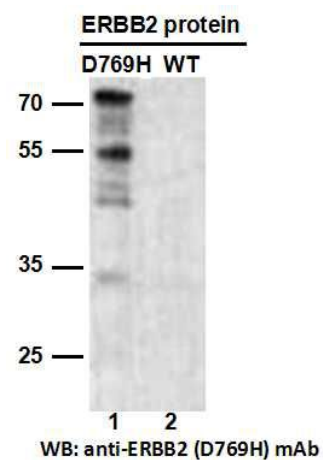
Preservative: no

Constituents: PBS (without Mg^{2+} and Ca^{2+}), pH 7.4, 150 mM NaCl, 50% glycerol

Species Reactivity: Recognizes D769H mutant, but not wild-type ERBB2 of vertebrates.

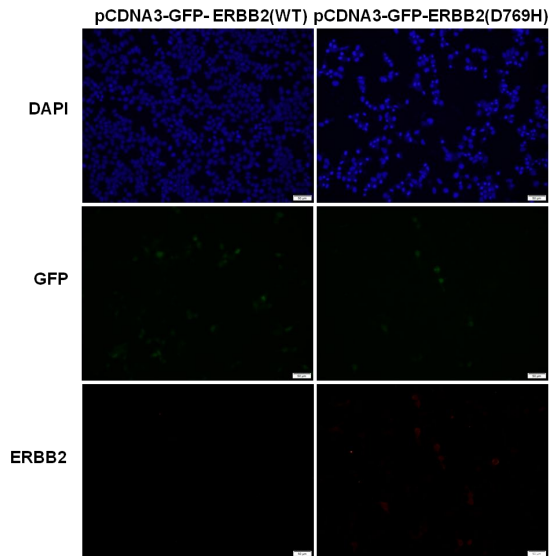
Storage Conditions: Store at $-20^{\circ}C$. Avoid freeze / thaw cycles.

Western blot:



Western blot analysis of recombinant ERBB2 (D769H) and wildtype proteins. Purified His-tagged ERBB2 (D769H) protein (lane 1) and corresponding wildtype protein (lane 2) were blotted with anti-ERBB2 (D769H) monoclonal antibody (Cat. #26381).

Immunofluorescence:



Immunofluorescence of cells expressing ERBB2 proteins with anti-ERBB2 (D769H) antibody. HEK293T cells were transfected with pCDNA3-GFP-ERBB2 (WT) plasmid (left column) or pCDNA3-GFP-ERBB2 (D769H) plasmid (right column), then fixed and stained with anti-ERBB2 (D769H) monoclonal antibody (Cat. #26381).