EGFR(D761Y)

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Cat. #: 26120
Gene Symbol: EGFR/HER1/ERBB1
Description: Anti-EGFR(D761Y) Mouse Monoclonal Antibody
Background: EGFR is a receptor tyrosine kinase binding ligands of the EGF family and activating several signaling cascades to convert extracellular cues into appropriate cellular responses. It activates at least 4 major downstream signaling cascades including the RAS-RAF-MEK-ERK, PI3 kinase-AKT, PLC gamma-PKC and STATs modules. Defects in EGFR are associated with lung cancer (LNCR).
Immunogen: A synthetic peptide from the internal region of EGFR which includes the mutation of D761Y, human origin.
Tested Applications: ELISA, WB, IF, IHC
Recommended Dilutions:
ELISA: 1:1000-1:5000
WB: 1:500-1:2000
IHC: 1:50-1:100
Concentration: 1 mg/ml
Host Species: **M**ouse
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 EGFR(D761Y), but not wild type EGFR from vertebrates.
Storage Conditions: Store at -20°C. Avoid repeated freezing and thawing.

Western blot:

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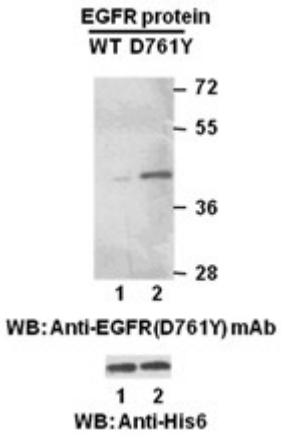
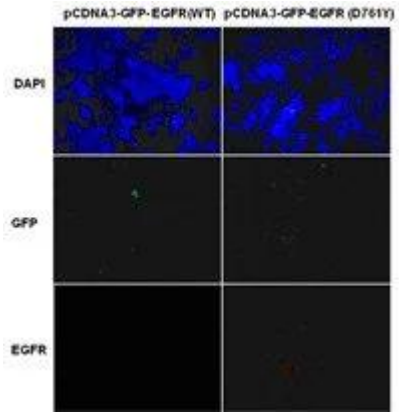


Western blot analysis of recombinant EGFR(D761Y) and wild type proteins.

Purified His-tagged EGFR(D761Y) protein (amino acids 702-987, lane 2, Cat. # 10240) and corresponding wild type protein (lane 1, Cat. #10210) were blotted with anti EGFR(D761Y) mouse monoclonal antibody (Cat. #26120). Proteins loading (bottom) were blotted with anti-His-tag monoclonal antibody (Cat. #28004).

Immunofluorescence:



Immunofluorescence of cells expressing EGFR proteins with anti-EGFR(D761Y) antibody.

HEK293T cells were transfected with pCDNA3-GFP-EGFR (WT) plasmid (left column) or pCDNA3-GFP-EGFR(D761Y) plasmid (right column), then fixed and stained with anti EGFR(D761Y) monoclonal antibody (Cat. #26120).

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