NFE2L2(D29G)

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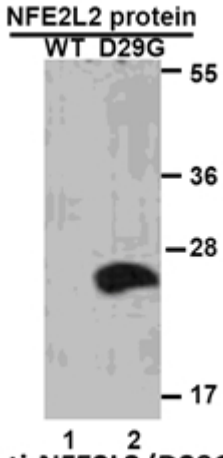
Cat. #: 26331
Gene Symbol: NFE2L2, NRF2
Description: Anti-NFE2L2(D29G) Mouse Monoclonal Antibody
Background: NFE2L2 protein is encoded by NFE2L2 gene. It is a basic leucine zipper protein that regulates the expression of antioxidant proteins that protect against oxidative damage triggered by injury and inflammation. Several drugs that stimulate the NFE2L2 pathway are being studied for treatment of diseases that are caused by oxidative stress.
Immunogen: A synthetic peptide from the internal region of NFE2L2 which includes the mutation of D29G, human origin.
Applications: ELISA, WB and IHC
Recommended Dilutions:
ELISA: 1:1000-1:2000
WB: 1:500-1:1000
IHC: 1:50-1:100
Concentration: 1 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 D29G mutant, but not wild type NFE2L2 of vertebrates.
Storage Conditions: Store at -20°C. Avoid repeated freezing and thawing

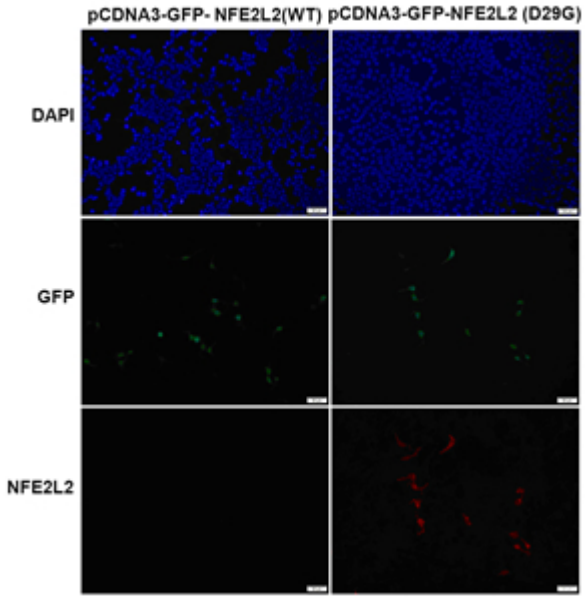
Western blot:



WB: anti-NFE2L2 (D29G) mAb

Western blot analysis of recombinant NFE2L2(D29G) and wild type proteins. Purified His-tagged NFE2L2(D29G) protein (lane2) and corresponding wild type protein (lane1) were blotted with Anti-NFE2L2(D29G) monoclonal antibody (Cat. #26331).

Immunofluorescence:



Immunofluorescence of cells expressing NFE2L2 proteins with Anti-NFE2L2(D29G) antibody. HEK293T cells were transfected with pCDNA3-GFP-NFE2L2 (WT) plasmid (left column) or pCDNA3-GFP-NFE2L2(D29G) plasmid (right column), then fixed and stained with Anti-NFE2L2(D29G) monoclonal antibody (Cat. #26331).