Nrf2 (R370G) Rabbit mAb

CatalogNo: AR0002 Recombinant FSS™

Ko/Kd Validated

•Main information

Target	Nrf2
Reactivity	Human,Mouse,Rat （Monkey, Bovine, Dog, Pig, Horse, Sheep，Goat）
Applications	WB,IHC,IF,IP,ELISA
MW (kDa)	68kD (Calculated) 100kD (Observed)
Host Species	Rabbit
Isotype	IgG,Kappa

•Recommended Dilutions

IHC 1:1000-1:5000

WB 1:2000-1:10000

IF 1:200-1:1000

ELISA 1:5000-1:20000

IP 1:50-1:200

Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0 (Cat#RH0011)

•Detailed information

Specificity	Endogenous
Storage	-15°C to -25°C/1 year(Do not lower than -25°C, Ship by ice bag)
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Purification	Protein A
Clonality	Monoclonal
Clone Number	R370G

•Target Information

Gene name NFE2L2 NRF2

Protein Name Nuclear factor erythroid 2-related factor 2 (NF-E2-related factor 2) (NFE2-related factor 2) (HEBP1) (Nuclear factor, erythroid derived 2, like 2)

Organism	Gene ID	UniProt ID
Human	4780;	Q16236;
Mouse	18024;	Q60795;
Rat	83619;	O54968;

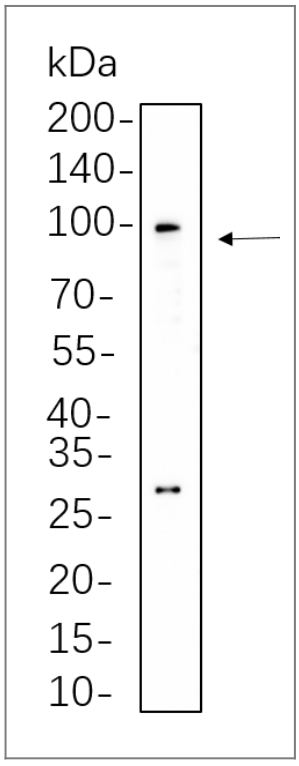
Cellular Localization Cytoplasmic, Nuclear

Tissue specificity Widely expressed. Highest expression in adult muscle, kidney, lung, liver and in fetal muscle.

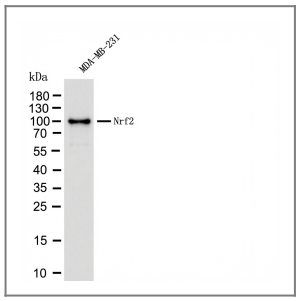
Function

Domain:Acidic activation domain in the N-terminus, and DNA binding domain in the C-terminus.,Function:Transcription activator that binds to antioxidant response (ARE) elements in the promoter regions of target genes. Important for the coordinated up-regulation of genes in response to oxidative stress. May be involved in the transcriptional activation of genes of the beta-globin cluster by mediating enhancer activity of hypersensitive site 2 of the beta-globin locus control region.,PTM:Phosphorylation of Ser-40 by PKC in response to oxidative stress dissociates NFE2L2 from its cytoplasmic inhibitor KEAP1, promoting its translocation into the nucleus.,similarity:Belongs to the bZIP family.,similarity:Belongs to the bZIP family. CNC subfamily.,similarity:Contains 1 bZIP domain.,subcellular location:Cytosolic under unstressed conditions, translocates into the nucleus upon induction by electrophilic agents.,subunit:Heterodimer. May bind DNA with an unknown protein. Interacts with KEAP1. Interacts via its leucine-zipper domain with the coiled-coil domain of PMF1.,tissue specificity:Widely expressed. Highest expression in adult muscle, kidney, lung, liver and in fetal muscle.,

•Validation Data



C6 whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with primary antibody(1:1000).



Western blot analysis was performed using MDA-MB-231 cell lysates; proteins were separated by 4–20% SDS-PAGE, with the primary antibody applied at a dilution of 1:5000.

•Contact information

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Nrf2 (R370G) Rabbit mAb