

Product Datasheet

Nrf2 [p Ser40] Antibody (EP1809Y) NB100-80012

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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NB100-80012

Nrf2 [p Ser40] Antibody (EP1809Y)

Product Information	
Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	EP1809Y
Preservative	0.01% Sodium Azide
Isotype	IgG
Purity	Tissue culture supernatant
Buffer	49% PBS, 0.05% BSA and 50% Glycerol
Product Description	
Host	Rabbit
Gene ID	4780
Gene Symbol	NFE2L2
Species	Human, Mouse, Rat (Negative)
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 25778901)
Specificity/Sensitivity	This antibody only detects Nrf2 phosphorylated at Serine 40.
Immunogen	A phospho specific peptide corresponding to residues surrounding Serine 40 of human Nrf2 was used as an immunogen.
Notes	Produced using Abcam's RabMab® technology. RabMab® technology is covered by the following U.S. Patents, No. 5,675,063 and/or 7,429,487.
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000-10000, Flow Cytometry 1/100, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:100-250, Immunoprecipitation 1:40, Immunohistochemistry-Paraffin 1:100-250
Application Notes	In Western blot this antibody detects a band at approximately 100 kDa.



Publications

Yang JH, Na CS, Cho SS et al. Hepatoprotective Effect of Neoagarooligosaccharide via Activation of Nrf2 and Enhanced Antioxidant Efficacy Biol. Pharm. Bull. 2020-01-31 [PMID: 32009027] (WB, Human)

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Seo K, Ki SH, Shin SM. Sestrin2-AMPK activation protects mitochondrial function against glucose deprivation-induced cytotoxicity. Cell. Signal. 2015-03-14 [PMID: 25778901] (WB, Human, Mouse)

Kay HY, Won Yang J, Kim TH et al. Ajoene, a stable garlic by-product, has an antioxidant effect through Nrf2-mediated glutamate-cysteine ligase induction in HepG2 cells and primary hepatocytes. J Nutr 2010-07-01 [PMID: 20463144] (WB, Human)

Lee AC, Murray M et al. Up-regulation of human CYP2J2 in HepG2 cells by butylated hydroxyanisole is mediated by c-Jun and Nrf2. Mol Pharmacol 2010-06-01 [PMID: 20194533]

Lee KM, Kang K, Lee SB, Nho CW. Nuclear factor-E2 (Nrf2) is regulated through the differential activation of ERK1/2 and PKC alpha/betall by Gymnasterkoreayne B Cancer Lett 2012-12-05 [PMID: 23219897] (WB, ICC/IF, Human)

Wojewoda M, Duszyński J, Szczepanowska J et al. Antioxidant defence systems and generation of reactive oxygen species in osteosarcoma cells with defective mitochondria: effect of selenium. Biochim Biophys Acta 2010-06-01 [PMID: 20138159]





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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