

Datasheet for ABIN6972451
anti-NRF2 antibody



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2 Images

Overview

Quantity:	100 µL
Target:	NRF2 (NFE2L2)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NRF2 antibody is un-conjugated
Application:	Western Blotting (WB), Chromatin Immunoprecipitation (ChIP), ChIP DNA-Sequencing (ChIP-seq)

Product Details

Immunogen:	This antibody was raised against a peptide within human NRF2.
Isotype:	IgG
Characteristics:	NRF2 (NF-E2-Related Factor 2) is a 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. NRF2 antibody (pAb) was raised in a Rabbit host. It has been validated for use in Chromatin Immunoprecipitation, ChIP-Seq and Western blot, it has been shown to react with Human samples.
Purification:	Affinity Purified

Target Details

Target:	NRF2 (NFE2L2)
Alternative Name:	NRF2 (NFE2L2 Products)
Molecular Weight:	96 kDa
NCBI Accession:	NP_006155
Pathways:	ER-Nucleus Signaling, Negative Regulation of intrinsic apoptotic Signaling

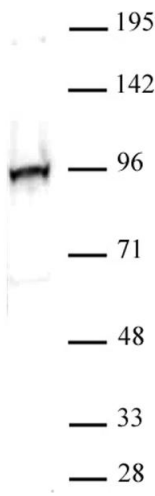
Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

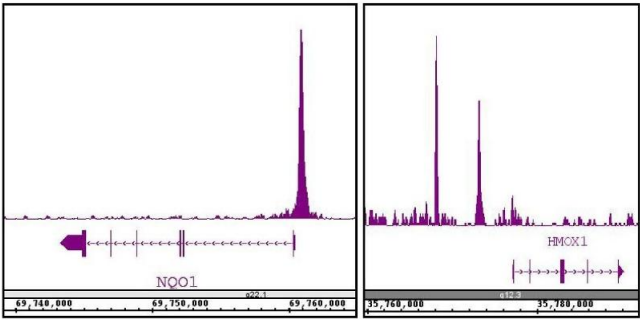
Buffer:	Purified IgG in PBS with 30 % glycerol and 0.035 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20°C for up to 2 years. Keep all reagents on ice when not in storage.

Images



Western Blotting

Image 1. NRF2 antibody (pAb) tested by Western blot. Nuclear extract of HepG2 cells (25 µg) treated with tHBQ and probed with NRF2 antibody at a dilution of 1:500.



ChIP DNA-Sequencing

Image 2. NRF2 antibody (pAb) tested by ChIP-Seq. ChIP was performed using the ChIP-IT High Sensitivity Kit with 30 µg of chromatin from A549 cells and 4 µL of antibody. ChIP DNA was sequenced on the Illumina HiSeq and 20 million sequence tags were mapped to identify NRF2 binding sites. The image shows binding across regions of chromosome 16 and 22. You can view the complete data set in the UCSC Genome Browser, starting at NQO1, [here](#).