

HSF4 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a partial recombinant HSF4. Catalog # AT2441a

Product Information

Application WB
Primary Accession O9ULV5
Other Accession NM_001538
Reactivity Human
Host mouse
Clonality monoclonal
Isotype IgG2a Kappa

Clone Names 3G3 Calculated MW 53011

Additional Information

Gene ID 3299

Other Names Heat shock factor protein 4, HSF 4, hHSF4, Heat shock transcription factor 4,

HSTF 4, HSF4

Target/Specificity HSF4 (NP_001529, 121 a.a. ~ 220 a.a) partial recombinant protein with GST

tag. MW of the GST tag alone is 26 KDa.

Dilution WB~~1:500~1000

Format Clear, colorless solution in phosphate buffered saline, pH 7.2.

Storage Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions HSF4 Antibody (monoclonal) (M03) is for research use only and not for use in

diagnostic or therapeutic procedures.

Background

Heat-shock transcription factors (HSFs) activate heat-shock response genes under conditions of heat or other stresses. HSF4 lacks the carboxyl-terminal hydrophobic repeat which is shared among all vertebrate HSFs and has been suggested to be involved in the negative regulation of DNA binding activity. Two alternatively spliced transcripts encoding distinct isoforms and possessing different transcriptional activity have been described.

References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes

REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.[Construction of eukaryotic plasmid expression Hsf4b and phosphorylation of Hsf4b by MAP kinase P38] Ma ZY, et al. Xi Bao Yu Fen Zi Mian Yi Xue Za Zhi, 2010 Apr. PMID 20564821.Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121.A novel HSF4 gene mutation (p.R405X) causing autosomal recessive congenital cataracts in a large consanguineous family from Pakistan. Sajjad N, et al. BMC Med Genet, 2008 Nov 11. PMID 19014451.Mutation screening of HSF4 in 150 age-related cataract patients. Shi Y, et al. Mol Vis, 2008. PMID 18941546.

Images



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