For Research Use Only

HSF4 Polyclonal antibody Catalog Number:22883-1-AP

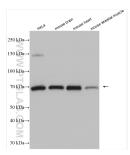


Applications Tested Application WB, IHC, ELISA Species Specificit human, mouse, ra Nanodrop and 380 method using BSA Source: Rabbit Isotype: IgG Immunogen Cata AG18935	Full Name: heat shock t Calculated I 492 aa, 53 k log Number: Observed M 62-66 kDa	WB 1:1000-1:4000 D: IHC 1:50-1:500 : : transcription factor 4 MW: kDa
Applications Tested Application WB, IHC, ELISA Species Specificiti human, mouse, ra Note-IHC: sugg TE buffer pH 9 retrieval may	A as the standard; Q9ULV5 Full Name: heat shock t Calculated I 492 aa, 53 k log Number: Observed M 62-66 kDa ons: ty: tt	: transcription factor 4 f MW: kDa MW: Positive Controls: WB : HeLa cells, human brain tissue, mouse brain
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IgG Immunogen Cata AG18935 Applications Tested Application WB, IHC, ELISA Species Specificit human, mouse, ra Note-IHC: sugg TE buffer pH 9 retrieval may	492 aa, 53 k log Number: Observed M 62-66 kDa ons: ty:	kDa MW: Positive Controls: WB : HeLa cells, human brain tissue, mouse brain
AG18935 Applications Tested Applicatio WB, IHC, ELISA Species Specificit human, mouse, ra Note-IHC: sugg TE buffer pH 9 retrieval may	62-66 kDa	Positive Controls: WB : HeLa cells, human brain tissue, mouse brain
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Species Specificit human, mouse, ra Note-IHC: sugg TE buffer pH 9 retrieval may	it	
TE buffer pH 9 retrieval may		tissue, mouse skeletal muscle tissue
	gested antigen retrieval wi .0; (*) Alternatively, antige be performed with <mark>citrate</mark>	gen
designated heats Heat shock transc are upregulated b transcriptional ac DNA binding activ development, and brain and skeleta formation of HSF:	shock genes. In eukaryotes, this g ription factors (HSF, also designa by estrogen, at both the mRNA and tivity is repressed by constitutive vity and is translocated to the nuc d, like HSF1, binds DNA as a trime l muscle as a homotrimer. HSF4a 1 nuclear bodies, thus repressing	nal and chemical stress by inducing a group of genes collectively gene expression is regulated primarily at the transcriptionlevel. nated HSTF) 1 and 2 are involved in this regulation. HSF1 and HSF2 nd protein level. HSF1 is normally found as a monomer, whose ve phosphorylation. Upon activation, HSF1 forms trimers, gains ucleus. HSF2 activity is associated with differentiation and ner. HSF4 exists as two splice variants and is expressed in heart, ta does not contain a DNA-binding domain and inhibits the g HSF1 mediated transcription. HSF4 b does contain a DNA-binding s after heat shock. This antibody is specific to human HSF4.
Storage Buffer:	able for one year after shipment. odium azide and 50% glycerol pł	
*** 20ul sizes contain 0.1% BSA	ecessary for -20°C storage	

For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll freeE: proteintech@ptglab.comin USA), or 1(312) 455-8498 (outside USA)W: ptglab.com

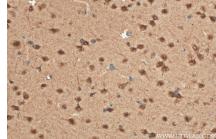
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data





Various lysates were subjected to SDS PAGE followed by western blot with 22883-1-AP (HSF4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using 22883-1-AP (HSF 4 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using 22883-1-AP (HSF4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).