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## Datasheet for ABIN2779779 anti-HSF4 antibody (Middle Region)

1 Image

1 Publication



### Overview

Quantity:	100 µL
Target:	HSF4
Binding Specificity:	Middle Region
Reactivity:	Human, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HSF4 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human HSF4	
Sequence:	VTLRQSHGQQ HRVIGKLIQC LFGPLQAGPS NAGGKRKLSL MLDEGSSCPT	
Predicted Reactivity:	Human: 100%, Rabbit: 92%	
Characteristics:	This is a rabbit polyclonal antibody against HSF4. It was validated on Western Blot using a cell lysate as a positive control.	
Purification:	Protein A purified	
Target Details		
Target:	HSF4	

Alternative Name: HSF4 (HSF4 Products)	l'arget:	HSF4	
	Alternative Name:	HSF4 (HSF4 Products)	

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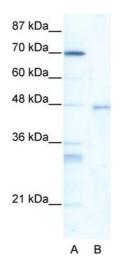
## Target Details

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.	
	Alias Symbols: CTM	
	Protein Interaction Partner: SESTD1, MY015A, TIMM13, SUGT1, RABEP1, TARBP1, HSF2, HSF1,	
	FKBP5, DUSP26, MAPK1, SUMO1, ZBED8, NUDT21, CDK2AP2, BCL6, SMARCA4, SLC27A5,	
	HSF4, MAPK3, MAPK8, MAPK14,	
	Protein Size: 463	
Molecular Weight:	50 kDa	
Gene ID:	3299	
NCBI Accession:	NM_001538, NP_001529	
Pathways:	MAPK Signaling	
Application Details		
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 463 AA	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	Lot specific	
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %	
	sucrose.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which	
	should be handled by trained staff only.	
Handling Advice:	Avoid repeated freeze-thaw cycles.	
Storage:	-20 °C	

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Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Publications	
Product cited in:	Renaud, Chakraborty, Mason, Rumi, Vivian, Soares: "OVO-like 1 regulates progenitor cell fate in human trophoblast development." in: <b>Proceedings of the National Academy of Sciences of the United States of America</b> , Vol. 112, Issue 45, pp. E6175-84, (2015) (PubMed).

### Images



#### Western Blotting

**Image 1.** WB Suggested Anti-HSF4 Antibody Titration: 5.0ug/ml ELISA Titer: 1:312500 Positive Control: HepG2 cell lysate