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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)

Target Details

Background:	<p>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.</p> <p>Alias Symbols: CTM</p> <p>Protein Interaction Partner: SESTD1, MYO15A, TIMM13, SUGT1, RABEP1, TARBP1, HSF2, HSF1, FKBP5, DUSP26, MAPK1, SUMO1, ZBED8, NUDT21, CDK2AP2, BCL6, SMARCA4, SLC27A5, HSF4, MAPK3, MAPK8, MAPK14,</p> <p>Protein Size: 463</p>
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

Handling

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: **Proceedings of the National Academy of Sciences of the United States of America**, 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