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Datasheet for ABIN2779292

anti-HSPA9 antibody (C-Term)

7 Images

1 Publication

Overview

Quantity:	100 µL
Target:	HSPA9
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse, Dog, Rabbit, Guinea Pig, Cow, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HSPA9 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human HSPA9
Sequence:	GENIRQAASS LQQASLKLFE MAYKKMASER EGSGSSGTGE QKEDQKEEKQ
Predicted Reactivity:	Cow: 85%, Dog: 92%, Guinea Pig: 92%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against HSPA9. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	HSPA9
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Target Details

Alternative Name: [HSPA9 \(HSPA9 Products\)](#)

Background: HSPA9 belongs to the heat shock protein 70 family which contains both heat-inducible and constitutively expressed members. The latter are called heat-shock cognate proteins. HSPA9 is a heat-shock cognate protein. This protein plays a role in the control of cell proliferation. It may also act as a chaperone. CSHL1 is a member of the somatotropin/prolactin family of hormones which play an important role in growth control. This particular family member is expressed in placental villi, although it was originally thought to be a pseudogene. In fact, alternative splicing suggests that the majority of the transcripts would be unable to express a secreted protein. The product encoded by this gene belongs to the heat shock protein 70 family which contains both heat-inducible and constitutively expressed members. The latter are called heat-shock cognate proteins. This gene encodes a heat-shock cognate protein. This protein plays a role in the control of cell proliferation. It may also act as a chaperone. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. The protein encoded by this gene is an inositol 1,4,5-trisphosphate (InsP3) 5-phosphatase and contains a Sac domain. The activity of this protein is specific for phosphatidylinositol 4,5-bisphosphate and phosphatidylinositol 3,4,5-trisphosphate. Alternatively spliced transcript variants have been observed, but most of them are not thought to be protein-coding.

Alias Symbols: CSA, GRP75, HSPA9B, MGC4500, MOT, MOT2, MTHSP75, PBP74, mot-2, GRP-75

Protein Interaction Partner: GPX7, FUS, CDKN2A, UBC, TP53, YKT6, CDKN1A, CDC20, CEP250, TUBGCP2, CEP57, AURKB, TUBG1, AURKA, SUMO2, SUMO3, NEDD1, SPRTN, CEP76, HAUS2, TUBGCP4, STAU1, GRSF1, NEDD8, MDM2, EED, RAP1GDS1, PFAS, GINS3, ATG3, OSGEP, BZW2, ABHD14A, TNFAIP8, FERMT2, AIP, CNB

Protein Size: 679

Molecular Weight: 75 kDa

Gene ID: 3313

NCBI Accession: [NM_004134](#), [NP_004125](#)

UniProt: [P38646](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 679 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.

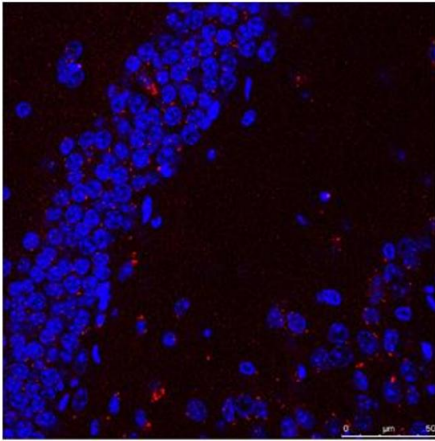
Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

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: Huang, Chen, Wu, Huang, He, Tang, Wang, Wang: "The zebrafish miR-462/miR-731 cluster is induced under hypoxic stress via hypoxia-inducible factor 1 α and functions in cellular adaptations." in: **FASEB journal : official publication of the Federation of American Societies for Experimental Biology**, Vol. 29, Issue 12, pp. 4901-13, (2015) ([PubMed](#)).



See Immunohistochemistry 1 Data for more information.

Immunohistochemistry

Image 1. Sample Type: Mouse Brain Slices

Red: primary

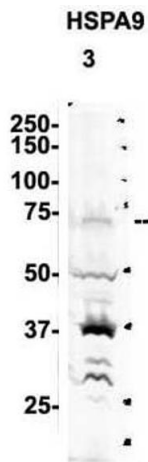
Blue: DAPI

Primary Dilution: 1:400

Secondary Antibody: Anti-Rabbit IgG Alexa 594

Secondary Dilution: 1:400

Image Submitted By: Adahir Labrador-Garrido and Cintia Roodveldt
University of Seville



See Immunoblot 2 Data for more information.

Western Blotting

Image 2. Sample Type: 3. rat brain extract (80ug)

Primary Antibody Dilution: 2ug/ml

Secondary Antibody: IRDye 800CW goat anti-rabbit from Li-COR Bioscience

Secondary Antibody Dilution: 1: 20,000

Image Submitted by: Yuzhi Chen
University of Arkansas for Medical Science



Western Blotting

Image 3. WB Suggested Anti-HSPA9 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: 293T cell lysate HSPA9 is strongly supported by BioGPS gene expression data to be expressed in Human HEK293T cells

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN2779292.