

Datasheet for ABIN2777745

anti-HSP70 1A antibody (Middle Region)[Go to Product page](#)**2** Images**1** Publication

Overview

Quantity:	100 µL
Target:	HSP70 1A (HSPA1A)
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Dog, Sheep, Guinea Pig, Rabbit, Goat, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HSP70 1A antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human HSPA1A
Sequence:	SLFEGIDFYT SITRARFEEL CSDLFRSTLE PVEKALRDAK LDKAQIHDLV
Predicted Reactivity:	Cow: 100%, Dog: 100%, Goat: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Sheep: 100%
Characteristics:	This is a rabbit polyclonal antibody against HSPA1A. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	HSP70 1A (HSPA1A)
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Target Details

Alternative Name:	HSPA1A (HSPA1A Products)
Background:	<p>HSPA1A is a member of the heat shock protein 70 family. In conjunction with other heat shock proteins, this protein stabilizes existing proteins against aggregation and mediates the folding of newly translated proteins in the cytosol and in organelles. It is also involved in the ubiquitin-proteasome pathway through interaction with the AU-rich element RNA-binding protein 1.</p> <p>Alias Symbols: HSP72, HSPA1, HSP70I, HSPA1B, HSP70-1, HSP70-1A</p> <p>Protein Interaction Partner: UBC, TP53, NEDD1, HAUS1, CEP76, CEP72, HAUS2, AIRE, CEP250, TUBGCP2, TUBGCP3, SAE1, CEP57, AURKB, TUBG1, AURKA, SUMO2, TUBGCP4, PPP2R1A, LGALS3BP, EMD, CDKN1A, CDC20, SUMO3, STAU1, MDM2, TRIM25, ASB10, ASB16, WWOX, EZH2, BMI1, SUZ12, TUBA4A, EIF6, ALDOC,</p> <p>Protein Size: 476</p>
Molecular Weight:	52 kDa
Gene ID:	3303
NCBI Accession:	NM_005345
UniProt:	P08107
Pathways:	Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 476 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

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

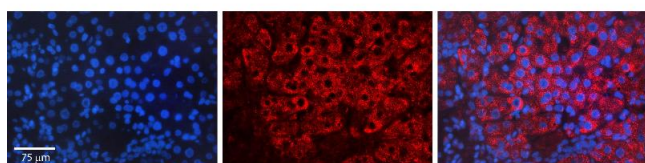
Product cited in:	Narjoz, Marisa, Imbeaud, Paris, Delacroix, Beaune, De Waziers: "Genomic consequences of cytochrome P450 2C9 overexpression in human hepatoma cells." in: Chemical research in toxicology , Vol. 22, Issue 5, pp. 779-87, (2009) (PubMed).
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Images



Western Blotting

Image 1. WB Suggested Anti-HSPA1A Antibody Titration:
1.25ug/ml Positive Control: Human Liver



Immunohistochemistry

Image 2. Rabbit Anti-HSPA1A Antibody Formalin Fixed Paraffin Embedded Tissue: Human Liver Tissue Observed Staining: Cytoplasm Primary Antibody Concentration: 1:100 Other Working Concentrations: N/A Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec