

Datasheet for ABIN6142038  
**anti-HSP70 1A antibody (AA 500-600)**[Go to Product page](#)

## 5 Images

## Overview

Quantity:	100 µL
Target:	HSP70 1A (HSPA1A)
Binding Specificity:	AA 500-600
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HSP70 1A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 500-600 of human HSP70/HSPA1 (NP_005336.3).
Sequence:	KITITNDKGR LSKEEIERMV QEAEKYKAED EVQRERSAK NALESYAFNM KSAVEDEGLK GKISEADKKK VLDKCQEVIS WLDANTLAEK DEFEHKRKEL E
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

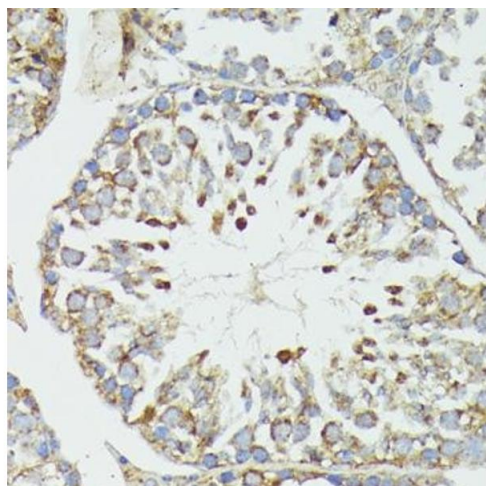
Target:	HSP70 1A (HSPA1A)
Alternative Name:	HSPA1A ( <a href="#">HSPA1A Products</a> )
Background:	<p>This intronless gene encodes a 70 kDa heat shock protein which is a member of the heat shock protein 70 family. In conjunction with other heat shock proteins, this protein stabilizes existing proteins 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. The gene is located in the major histocompatibility complex class III region, in a cluster with two closely related genes which encode similar proteins.,HSPA1A,HEL-S-103,HSP70-1,HSP70-1A,HSP70.1,HSP70I,HSP72,HSPA1,HSP70,Cell Biology &amp; Developmental Biology,Apoptosis,Inhibition of Apoptosis,Endocrine &amp; Metabolism,Mitochondrial metabolism,Neuroscience,Neurodegenerative Diseases,HSPA1A</p>
Molecular Weight:	70 kDa
Gene ID:	3303
UniProt:	<a href="#">P0DMV8</a>
Pathways:	<a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a>

## Application Details

Application Notes:	WB,1:1000 - 1:3000,IHC,1:50 - 1:200,IF,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

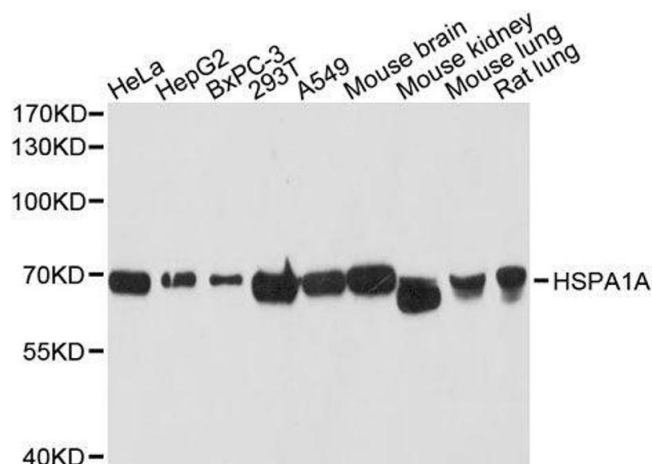
## Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



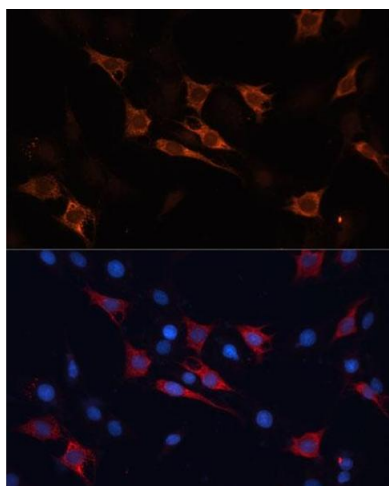
### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded mouse testis using HSP70/HSP antibody (2948) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using HSPA1A antibody.



### Immunofluorescence

**Image 3.** Immunofluorescence analysis of C6 cells using HSP70/HSP Polyclonal Antibody (2948) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6142038.