

For Research Use Only

# DNAJA1 Polyclonal antibody

Catalog Number: 11713-1-AP

Featured Product

13 Publications



## Basic Information

**Catalog Number:**

11713-1-AP

**Size:**

150ul, Concentration: 700 ug/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG2284

**GenBank Accession Number:**

BC008182

**GeneID (NCBI):**

3301

**UNIPROT ID:**

P31689

**Full Name:**

DnaJ (Hsp40) homolog, subfamily A, member 1

**Calculated MW:**

397 aa, 45 kDa

**Observed MW:**

45 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:8000

IHC 1:50-1:500

IF/ICC 1:50-1:500

## Applications

**Tested Applications:**

WB, IHC, IF/ICC, ELISA

**Cited Applications:**

WB, IF, IP

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB:** HEK-293 cells, HeLa cells, human testis tissue, HepG2 cells, human liver tissue, Jurkat cells, mouse lung tissue, mouse kidney tissue, rat kidney tissue

**IHC:** human stomach tissue,

**IF/ICC:** HepG2 cells,

## Background Information

DNAJA1 is a member of the DnaJ proteins (also known as Hsp40 or Hsc40) which are cochaperones to DnaK (Hsp70) and function to modulate protein assembly, disassembly, and translocation. DNAJA1 has been reported to get involved in various processes, including virus infection, tau clearance, and mutant p53 degradation.

## Notable Publications

Author	Pubmed ID	Journal	Application
Shan Lu	36075972	Nat Cell Biol	IF
Yajuan Zhang	34720086	J Clin Invest	WB
Jiawei Zhang	35595767	Nat Commun	WB,IP

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

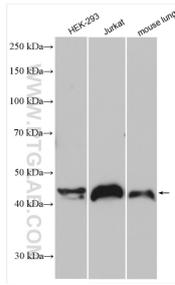
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

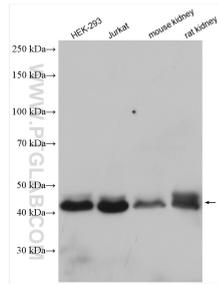
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

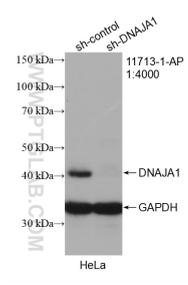
## Selected Validation Data



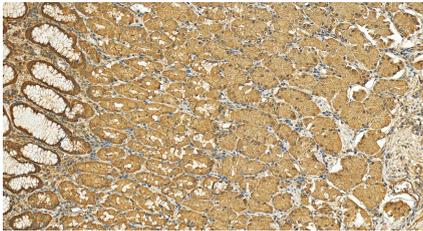
Various lysates were subjected to SDS PAGE followed by western blot with 11713-1-AP (DNAJA1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



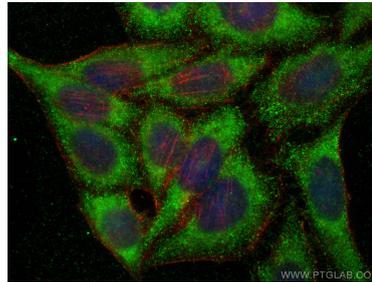
Various lysates were subjected to SDS PAGE followed by western blot with 11713-1-AP (DNAJA1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



WB result of DNAJA1 antibody (11713-1-AP; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DNAJA1 transfected HeLa cells.



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 11713-1-AP (DNAJA1 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using DNAJA1 antibody (11713-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).