

For Research Use Only

# DNAJA1 Monoclonal antibody

Catalog Number: 67184-1-Ig **Featured Product**



## Basic Information

<b>Catalog Number:</b> 67184-1-Ig	<b>GenBank Accession Number:</b> BC008182	<b>Purification Method:</b> Euglobulin precipitation
<b>Size:</b> 150ul , Concentration: 500 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3301	<b>CloneNo.:</b> 1B10A10
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P31689	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IHC 1:250-1:1000 IF/ICC 1:200-1:800
<b>Isotype:</b> IgM	<b>Full Name:</b> DnaJ (Hsp40) homolog, subfamily A, member 1	
<b>Immunogen Catalog Number:</b> AG2284	<b>Calculated MW:</b> 397 aa, 45 kDa	
	<b>Observed MW:</b> 45 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse, rat	<b>WB :</b> A549 cells, HeLa cells, MCF-7 cells, HEK-293 cells, HepG2 cells, Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> mouse brain tissue, human placenta tissue, rat brain tissue
	<b>IF/ICC :</b> 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.

## Storage

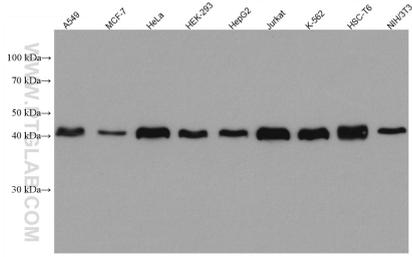
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

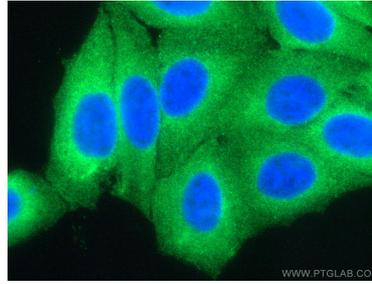
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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

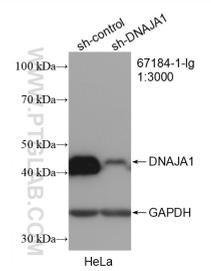
## Selected Validation Data



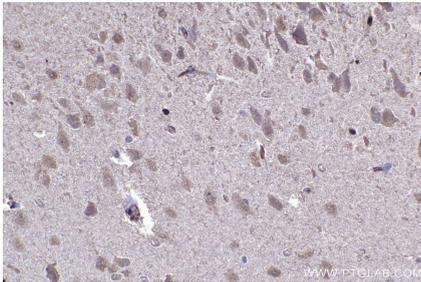
Various lysates were subjected to SDS PAGE followed by western blot with 67184-1-Ig (DNAJA1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



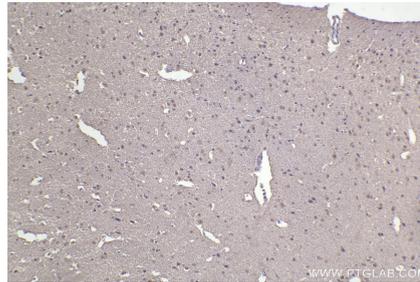
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using DNAJA1 antibody (67184-1-Ig, Clone: 1B10A10) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



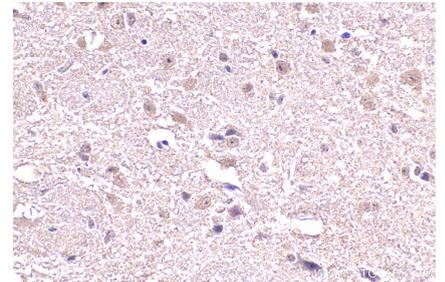
WB result of DNAJA1 antibody (67184-1-Ig: 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DNAJA1 transfected HeLa cells.



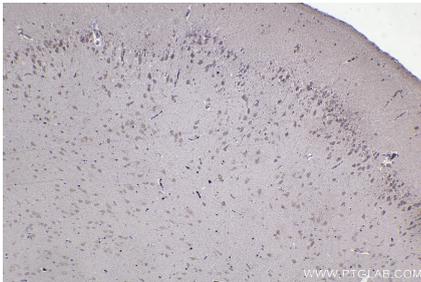
Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 67184-1-Ig (DNAJA1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



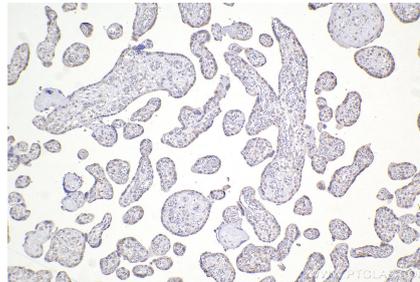
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67184-1-Ig (DNAJA1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



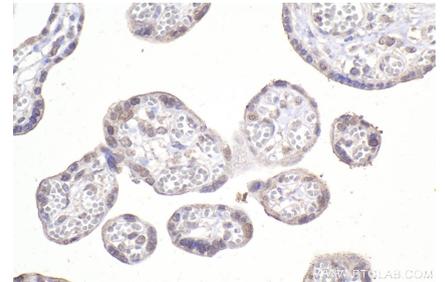
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67184-1-Ig (DNAJA1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 67184-1-Ig (DNAJA1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 67184-1-Ig (DNAJA1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 67184-1-Ig (DNAJA1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).