

For Research Use Only

# Hsc70 Recombinant antibody

Catalog Number: 81719-2-RR

Featured Product



## Basic Information

<b>Catalog Number:</b> 81719-2-RR	<b>GenBank Accession Number:</b> BC007276	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 500 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3312	<b>CloneNo.:</b> 3H9
<b>Source:</b> Rabbit	<b>Full Name:</b> heat shock 70kDa protein 8	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 70 kDa	
<b>Immunogen Catalog Number:</b> AG1018	<b>Observed MW:</b> 70 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, HepG2 cells, Jurkat cells, NIH/3T3 cells, MCF-7 cells, PC-12 cells
<b>Species Specificity:</b> Human, mouse, rat	

## Background Information

HSPA8 (also known as HSC 70) is a member of the HSPA (HSP70) family of heat-shock proteins which are highly conserved chaperons implicated in protein folding, protein refolding, protein transport, and protein targeting. HSPA8 is a constitutively expressed cytosol/nuclear protein able to translocate between cytoplasm and nucleus. Recently it has been reported that HSPA8 can interact with  $\alpha$ -synuclein, the critical pathological protein of Parkinson's disease, indicating its implication in neurodegenerative disease. (PMID: 21832061)

## 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

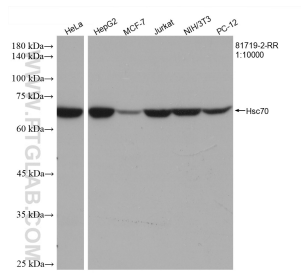
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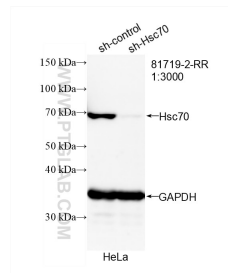
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 81719-2-RR (Hsc70 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



WB result of Hsc70 antibody (81719-2-RR; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Hsc70 transfected HeLa cells.