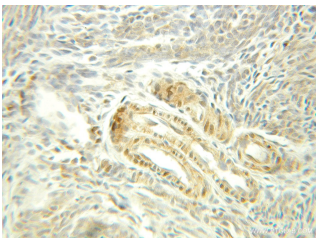
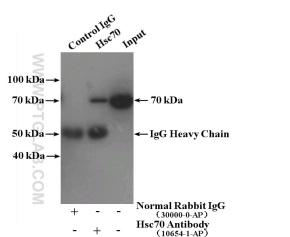


## Hsc70 Polyclonal Antibody

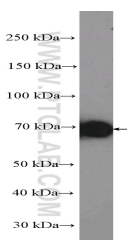
Catalog number: 10654-1-AP  
Size: 42 µg/150 µl  
Source: Rabbit  
Isotype: IgG  
Synonyms:  
HSPA8; HSC54, HSC70, HSC71,  
HSP71, HSP73, HSPA10, HSPA8



Immunohistochemical of paraffin-embedded human ovary tumor using 10654-1-AP (HSPA8 antibody) at dilution of 1:100 (under 25x lens)



IP Result of anti-Hsc70 (IP:10654-1-AP, 4µg; Detection:10654-1-AP 1:800) with HEK-293 cells lysate 3680µg.



HEK-293 cells were subjected to SDS PAGE followed by western blot with 10654-1-AP (Hsc70 Antibody) at dilution of 1:2000

### Background

HSPA8 (also known as HSC70) 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. (21832061)

### Applications

Tested applications:	ELISA, IHC, IP, WB
Cited applications:	IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human, mouse
Calculated Hsc70 MW:	70 kDa
Observed Hsc70 MW:	70-73 kDa
Positive WB detected in	HEK-293 cells, A431 cells, C6 cells, COLO 320 cells, HeLa cells, HepG2 cells, MCF7 cells, NIH/3T3 cells, rat brain tissue
Positive IP detected in	HEK-293 cells
Positive IHC detected in	Human ovary tumor tissue, human gliomas tissue
Recommended dilution:	WB: 1:1000-1:10000 IP: 1:200-1:2000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag1018
GenBank accession number:	BC007276
Gene ID (NCBI):	3312
Full name:	Heat shock 70kDa protein 8

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.