

For Research Use Only

HSPA6 Monoclonal antibody, PBS Only



Catalog Number: 68257-1-PBS

Basic Information

Catalog Number: 68257-1-PBS	GenBank Accession Number: BC035665	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 3310	CloneNo.: 3D12D7
Source: Mouse	UNIPROT ID: P17066	
Isotype: IgG2b	Full Name: heat shock 70kDa protein 6 (HSP70B)	
Immunogen Catalog Number: AG4716	Calculated MW: 643 aa, 71 kDa	
	Observed MW: 68-71 kDa	

Applications

Tested Applications:
WB, IF, Indirect ELISA

Species Specificity:
Human

Background Information

HSPA6 (also known as HSP70B) 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. Human HSP70B is known to be strictly inducible and shows very low or no basal expression levels in most cells. HSPA6 induction has been exploited as a reasonable biomarker of cellular stresses and its mRNA expression levels have been shown to be significantly induced against a variety of cellular stresses. This antibody was raised against the C-terminal region of human HSPA6 and it may cross-react with HSPA1 (HSP70), HSPA1L and HSPA2. (18229458)

Storage

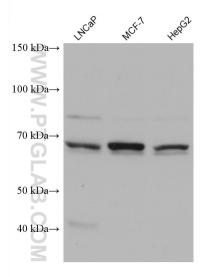
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

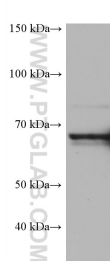
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

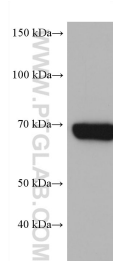
Selected Validation Data



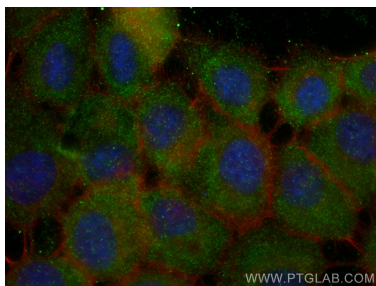
Various lysates were subjected to SDS PAGE followed by western blot with 68257-1-Ig (HSPA6 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68257-1-PBS in a different storage buffer formulation.



HeLa cells were subjected to SDS PAGE followed by western blot with 68257-1-Ig (HSPA6 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68257-1-PBS in a different storage buffer formulation.



HEK-293 cells were subjected to SDS PAGE followed by western blot with 68257-1-Ig (HSPA6 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68257-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed A431 cells using HSPA6 antibody (68257-1-Ig, Clone: 3D12D7) at dilution of 1:800 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red). This data was developed using the same antibody clone with 68257-1-PBS in a different storage buffer formulation.