

For Research Use Only

HSPB11 Polyclonal antibody

Catalog Number: 15732-1-AP

Featured Product

17 Publications



Basic Information

Catalog Number: 15732-1-AP	GenBank Accession Number: BC005245	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 400 µg/ml by Nanodrop and 200 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 51668	Recommended Dilutions: WB 1:1000-1:6000
Source: Rabbit	Full Name: heat shock protein family B (small), member 11	
Isotype: IgG	Calculated MW: 144 aa, 16 kDa	
Immunogen Catalog Number: AG8490	Observed MW: 16-20 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB: A549 cells, HeLa cells
Cited Applications: IF, IHC, WB	
Species Specificity: human, mouse, rat	
Cited Species: human, rat, mouse	

Background Information

HSPB11 (Heat shock protein beta-11), also known as IFT25, was originally identified as a small heat shock protein. Recently it has been identified as a component of IFT complex B. It has been demonstrated that IFT25 is not required for ciliary assembly but is required for proper Hedgehog signaling, which in mammals occurs within cilia. Cilia lacking IFT25 have defects in the signal-dependent transport of multiple Hedgehog components and fail to activate the pathway upon stimulation.

Notable Publications

Author	Pubmed ID	Journal	Application
Yong Zhang	28964737	Dev Biol	WB
Malavika Raman	26389662	Nat Cell Biol	WB
Shichao Duan	33241915	EMBO J	WB

Storage

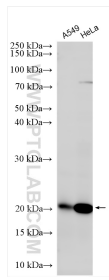
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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)
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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 15732-1-AP (HSPB11 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.