For Research Use Only

HSPB11 Monoclonal antibody

Catalog Number:68059-1-Ig Featured Product

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Basic Information

Catalog Number:
68059-1-Ig

Size:
150ul , Concentration: 1000 ug/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG8804

GenBank Accession Number:
BC005245

GeneID (NCBI):
51668

UNIPROT ID:
Q9Y547

Full Name:
heat shock protein family B (small), member 11

Calculated MW:
144 aa, 16 kDa

Observed MW:
20 kDa

Purification Method:
Protein A purification

CloneNo.:
2D11B3

Recommended Dilutions:
WB 1:5000-1:50000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human

Positive Controls:

WB : NCCIT cells, HeLa cells, LNCaP cells, HEK-293 cells, T-47D cells, Jurkat cells, K-562 cells

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.

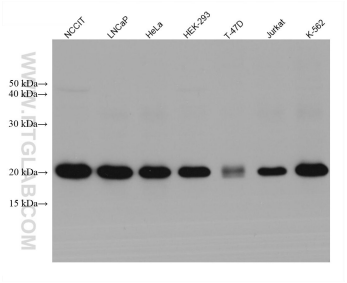
Storage

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

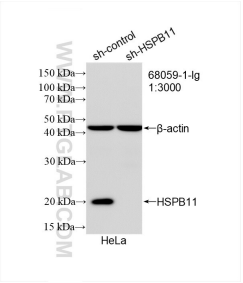
***** 20ul sizes contain 0.1% BSA**

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68059-1-Ig (HSPB11 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



WB result of HSPB11 antibody (68059-1-Ig; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-HSPB11 transfected HeLa cells.