

For Research Use Only

IFT25 Polyclonal antibody

Catalog Number: 15732-1-AP

Featured Product

13 Publications



Basic Information

Catalog Number:

15732-1-AP

Size:

150UL, Concentration: 200 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8490

GenBank Accession Number:

BC005245

GeneID (NCBI):

51668

Full Name:

heat shock protein family B (small), member 11

Calculated MW:

144 aa, 16 kDa

Observed MW:

25 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2400

IF 1:20-1:200

Applications

Tested Applications:

IF, WB, ELISA

Cited Applications:

IF, IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Positive Controls:

WB: HeLa cells, A549 cells, mouse brain tissue

IF: hTERT-RPE1 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Yong Zhang	28964737	Dev Biol	WB
Malavika Raman	26389662	Nat Cell Biol	WB
Thibaut Eguether	25446516	Dev Cell	WB,IF

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

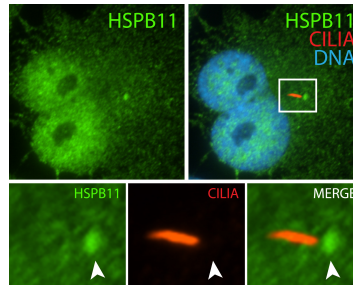
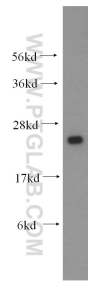
For technical support and original validation data for this product please contact:

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Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 15732-1-AP (IFT25 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.

IF result (the base of cilia stain) of anti-HSPB11 (IFT25, 15732-1-AP, 1:50) with serum-starved hTERT-RPE1 (PFA fixed) by Dr. Moshe Kim.