IFT25
Polyclonal ANTIBODY
Catalog Number: 15732-1-AP

**Basic Information**
- **Catalog Number:** 15732-1-AP
- **Size:** 30 μg/150 μl
- **Source:** Rabbit
- **Isotype:** IgG
- **Purification Method:** Antigen affinity purification
- **Immunogen Catalog Number:** AG8490
- **GenBank Accession Number:** BC005245
- **GeneID (NCBI):** 51668
- **Full Name:** Heat shock protein family B (small), member 11
- **Calculated MW:** 144aa, 16 kDa
- **Observed MW:** 25 kDa

**Applications**
- **Tested Applications:** ELISA, WB, IHC
- **Cited Applications:** IF, WB
- **Species Specificity:** human, mouse, rat

**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:** Yong Zhang
  - **Pubmed ID:** 28964737
  - **Journal:** Dev Biol
  - **Application:** WB
- **Author:** Malavika Raman
  - **Pubmed ID:** 26389662
  - **Journal:** Nat Cell Biol
  - **Application:** WB
- **Author:** Thibaut Eguether
  - **Pubmed ID:** 25446516
  - **Journal:** Dev Cell
  - **Application:** 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:** Unnecessary for -20°C storage

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

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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, 1:500) with serum-starved hSERT#RPE1 (PFA fixed) by Dr. Moshe Kim.