IFT140 is a subunit of intraflagellar transport complex A (IFT-A) which is involved in retrograde ciliary transport. RT-PCR analysis showed it is highly expressed in kidney, moderately in ovary, testis, prostate, and lung. IFT140 is localized to the base and tip of primary cilium. IFT140 has a pivotal role in development and function of ciliated cells, and mutations of IFT140 cause skeletal, renal, and retinal ciliopathies. It had been detected as a single band around 140-165 kDa in different reports. (PMID: 20368623, 22282595)

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**Storage**

- **Storage:** Store at -20ºC. Stable for one year after shipment.
- **Storage Buffer:** PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
- **Aliquoting:** Not necessary for -20ºC storage.

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

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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

**IF result (enrichment to the base (arrowhead) and tip (asterix) of cilia) of anti-IFT140 (17460-1-AP, 1:50) with serum-starved hTERT-RPE1 (PFA fixed) by Dr. Moshe Kim.**

**Immunohistochemistry of paraffin-embedded mouse testis tissue slide using 17460-1-AP (IFT140 antibody) at dilution of 1:200 (under 10x lens) heat mediated antigen retrieved with Tris-EDTA buffer(pH9).**

**Immunohistochemistry of paraffin-embedded mouse testis tissue slide using 17460-1-AP (IFT140 antibody) at dilution of 1:200 (under 40x lens) heat mediated antigen retrieved with Tris-EDTA buffer(pH9).**

**IP Result of anti-IFT140 (IP: 17460-1-AP, 4ug; Detection: 17460-1-AP 1:300) with rat testis tissue lysate 4400ug.**

**IP Result of anti-IFT140 (IP: 17460-1-AP, 4ug; Detection: 17460-1-AP 1:300) with rat testis tissue lysate 4400ug.**

Mouse testis tissue were subjected to SDS PAGE followed by western blot with 17460-1-AP (IFT140 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.