Datasheet for ABIN6262477

anti-IFT140 antibody (Internal Region)

2 Images

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Overview

Quantity:	100 µL
Target:	IFT140
Binding Specificity:	Internal Region
Reactivity:	Mouse, Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IFT140 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	A synthesized peptide derived from human IFT140, corresponding to a region within the internal amino acids.
Isotype:	IgG
Specificity:	IFT140 Antibody detects endogenous levels of total IFT140.
Predicted Reactivity:	Pig,Bovine,Horse,Sheep,Rabbit,Chicken
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	IFT140

Target Details

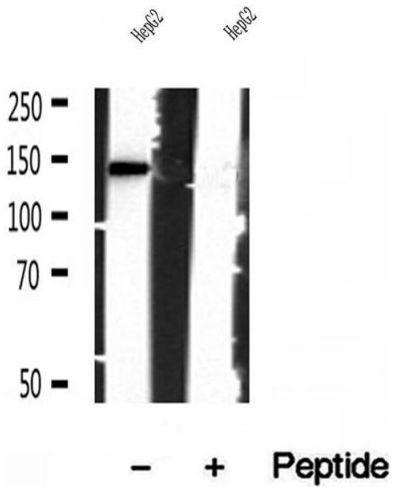
Alternative Name:	IFT140 (IFT140 Products)
Background:	Description: Component of the IFT complex A (IFT-A), a complex required for retrograde ciliary transport. Plays a pivotal role in proper development and function of ciliated cells. Involved in ciliogenesis and cilia maintenance (PubMed:22503633). May play a role in ciliary assembly. Required for the development and maintenance of the outer segments of rod and cone photoreceptor cells. Plays a role in maintenance and the delivery of opsin to the outer segment of photoreceptor cells (By similarity). Gene: IFT140
Molecular Weight:	140 kDa
Gene ID:	9742
UniProt:	Q96RY7
Pathways:	Hedgehog Signaling

Application Details

Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200
Restrictions:	For Research Use only

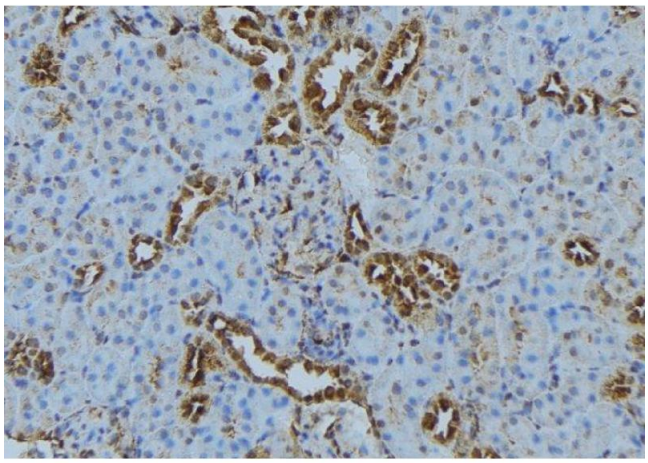
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months



Western Blotting

Image 1. Western blot analysis of extracts of HepG2 cells, using IFT140 antibody.



Immunohistochemistry

Image 2. ABIN6272870 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22¡ãC. An HRP conjugated goat anti-rabbit antibody was used as the secondary