

Rabbit IFT81 Polyclonal Antibody | anti-IFT81 antibody

IFT81 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322859	Rabbit	Human, Mouse, Rat, Dog	Immunohistochemistry, Western Blot

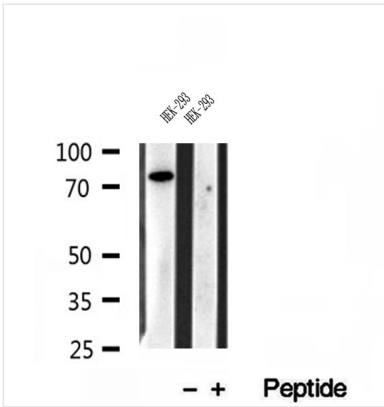
PRODUCT SYNONYMS

IFT81; Polyclonal Antibody; IFT81 Antibody; Carnitine deficiency associated expressed in ventricle 1 isoform 2; Carnitine deficiency-associated protein expressed in ventricle 1; CDV-1; CDV1; CDV1R; Ift81; IFT81_HUMAN; intraflagellar transport 81 homolog (Chlamydomonas); Intraflagellar transport protein 81 homolog; anti-IFT81 antibody

PRODUCT SPECIFICATIONS

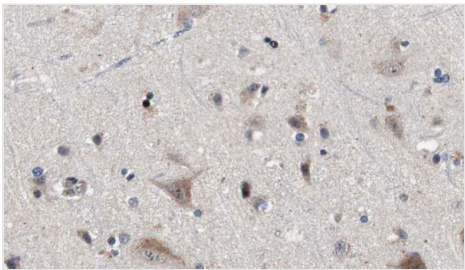
Host	Rabbit
Reactivity	Human, Mouse, Rat, Dog
Clonality	Polyclonal
Isotype	IgG
Specificity	IFT81 antibody detects endogenous levels of IFT81.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	676
Applicable Applications for anti-IFT81 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human IFT81.
Tissue Specificity	Highly expressed in testis, moderately in ovary, heart, liver, skeletal muscle, kidney and pancreas, low in prostate, brain, placenta and lung and not detected in spleen, thymus, small intestine and colon. Isoform CDV-1R is abundantly expressed in testis.
Predicted Cross Reactivity	Zebrafish, Bovine, Horse, Dog, Chicken, Xenopus
Similarity	Zebrafish (100%), Bovine (100%), Horse (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts of HEK-293 cells, using IFT81 antibody.



IHC (Immunohistochemistry)

AAA322859 at 1/100 staining Human brain cancer 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 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-IFT81 antibody	Function: Component of the intraflagellar transport (IFT) complex B: together with IFT74, forms a tubulin-binding module that specifically mediates transport of tubulin within the cilium. Binds tubulin via its CH (calponin-homology)-like region. Required for ciliogenesis. Subunit Structure: Component of the IFT complex B, at least composed of IFT20, IFT22, HSPB11/IFT25, IFT27, IFT46, IFT52, TRAF3IP1/IFT54, IFT57, IFT74, IFT80, IFT81, and IFT88 (PubMed:23990561). Interacts with IFT74; the interaction is direct: within the IFT complex B, IFT74 and IFT81 mediate the transport of tubulin within the cilium (PubMed:15955805, PubMed:23990561). Interacts with tubulin; the interaction is direct (PubMed:23990561). Interacts with RABL2/RABL2A; binding is equal in the presence of GTP or GDP (By similarity). Interacts with IFT88 (PubMed:23990561). Interacts (via the IFT74/IFT81 heterodimer) with RABL2B (PubMed:28625565, PubMed:28428259). Similarity: The CH (calponin-homology)-like region shows high similarity to a CH (calponin-homology) domain and mediated binding to the globular domain of tubulin. Belongs to the IFT81 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	219555661
NCBI GeneID	28981
NCBI Accession #	NP_001137251.1
NCBI GenBank Nucleotide #	NM_001143779.1
UniProt Accession #	Q8WYA0; Q2YDY1; Q8NB51; Q9BSV2; Q9UNY8
Molecular Weight	Observed: 75-80 kDa Predicted: 80 kDa
NCBI Official Full Name	intraflagellar transport protein 81 homolog isoform 1
NCBI Official Synonym Full Names	intraflagellar transport 81
NCBI Official Symbol	IFT81
NCBI Official Synonym Symbols	DV1; CDV1; CDV-1; CDV1R; CDV-1R; SRTD19
NCBI Protein Information	intraflagellar transport protein 81 homolog
UniProt Protein Name	Intraflagellar transport protein 81 homolog
UniProt Gene Name	IFT81
UniProt Synonym Gene Names	CDV1; CDV-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/polyclonal/lift81-antibody-immunohistochemistry-western-blot-elisa/322859>