

Rabbit IFT20 Polyclonal Antibody | anti-IFT20 antibody

IFT20 Antibody

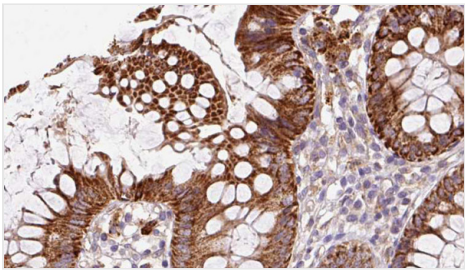
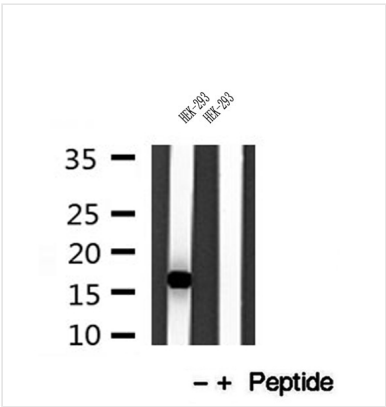
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322841	Rabbit	Human, Mouse, Dog	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

IFT20; Polyclonal Antibody; IFT20 Antibody; hIFT20; Intraflagellar transport 20 homolog (Chlamydomonas); Intraflagellar transport protein 20 like; Intraflagellar transport protein IFT20; anti-IFT20 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Dog
Clonality	Polyclonal
Isotype	IgG
Specificity	IFT20 antibody detects endogenous levels of IFT20.
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	158
Applicable Applications for anti-IFT20 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human IFT20.
Subcellular Location	Golgi Apparatus. Cilium. Centrosome, Centriole.
Tissue Specificity	Expressed in almost all tissues.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Bovine (92%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



IHC (Immunohistochemistry)
AAA322841 at 1/100 staining Mouse colon 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.

WB (Western Blot)
Western blot analysis of extracts of HEK-293 cells, using IFT20 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-IFT20 antibody	Function: Part of intraflagellar transport (IFT) particles involved in ciliary process assembly. May play a role in the trafficking of ciliary membrane proteins from the Golgi complex to the cilium. Also involved in autophagy since it is required for trafficking of ATG16L and the expansion of the autophagic compartment. 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. Interacts directly with IFT57 and KIF3B/Kinesin II subunit. Interacts with IFT88 (By similarity). Interacts with CEP83.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	392050749
NCBI GeneID	90410
NCBI Accession #	NP_001254703.1
NCBI GenBank Nucleotide #	NM_001267774.1
UniProt Accession #	Q8IY31; Q5GLZ2; Q9BUG5; J3QL09
Molecular Weight	Observed: 15-18 kDa Predicted: 16 kDa
NCBI Official Full Name	intraflagellar transport protein 20 homolog isoform 1
NCBI Official Synonym Full Names	intraflagellar transport 20
NCBI Official Symbol	IFT20
NCBI Protein Information	intraflagellar transport protein 20 homolog
UniProt Protein Name	Intraflagellar transport protein 20 homolog
UniProt Gene Name	IFT20
UniProt Synonym Gene Names	hIFT20

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.