10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

C14orf179 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5370c

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q96FT9
Other Accession	Q9DA69, Q2TBN9, NP_001096034.1, NP_443105.2
Reactivity	Human, Mouse
Predicted	Bovine, Rat, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB26180
Calculated MW	23529
Antigen Region	145-171

Additional Information

Gene ID	112752
Other Names	Intraflagellar transport protein 43 homolog, IFT43, C14orf179
Target/Specificity	This C14orf179 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 145-171 amino acids from the Central region of human C14orf179.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	C14orf179 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

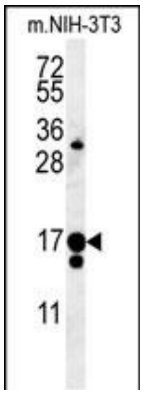
Name	IFT43 (HGNC:29669)
Synonyms	C14orf179

Function	As a component of IFT complex A (IFT-A), a complex required for retrograde ciliary transport and entry into cilia of G protein- coupled receptors (GPCRs), it is involved in ciliogenesis (PubMed:28400947, PubMed:28973684). Involved in retrograde ciliary transport along microtubules from the ciliary tip to the base (PubMed:21378380).
Cellular Location	Cytoplasm, cytoskeleton. Cell projection, cilium Note=Associated with microtubules (PubMed:22361696). Localized at the distal tip of the cilium (PubMed:28973684)
Tissue Location	Expressed in the retina, predominantly in the photoreceptor outer segment.

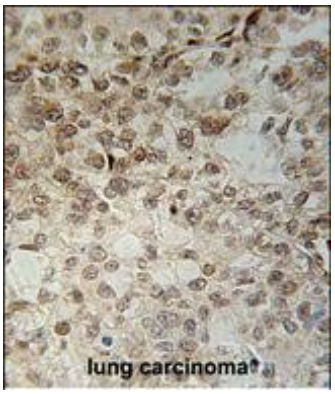
References

Levy, D., et al. BMC Med. Genet. 8 SUPPL 1, S3 (2007) :
Heilig, R., et al. Nature 421(6923):601-607(2003)

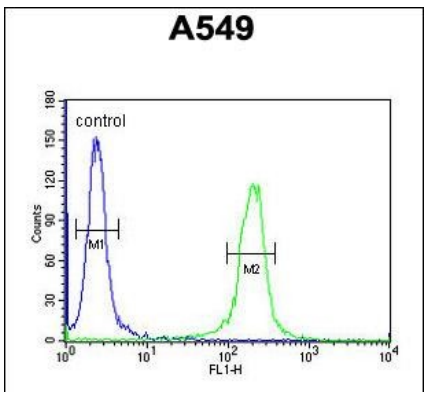
Images



C14orf179 Antibody (Center)(Cat. #AP5370c) western blot analysis in mouse NIH-3T3 cell line lysates (35ug/lane).This demonstrates the C14orf179 antibody detected the C14orf179 protein (arrow).



C14orf179 Antibody (Center) (Cat. #AP5370c) immunohistochemistry analysis in formalin fixed and paraffin embedded human lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the C14orf179 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



C14orf179 Antibody (Center) (Cat. #AP5370c) flow cytometric analysis of A549 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.