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ODF2L Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13014b

Product Information

Application	WB, IHC-P, E
Primary Accession	Q9ULJ1
Other Accession	Q0VBY1, NP_001171694.1, NP_065780.2
Reactivity	Human
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB32761
Calculated MW	73728
Antigen Region	543-572

Additional Information

Gene ID	57489
Other Names	Outer dense fiber protein 2-like, ODF2L, KIAA1229
Target/Specificity	This ODF2L antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 543-572 amino acids from the C-terminal region of human ODF2L.
Dilution	WB~~1:1000 IHC-P~~1:100~500 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	ODF2L Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ODF2L (HGNC:29225)
Function	Acts as a suppressor of ciliogenesis, specifically, the initiation of ciliogenesis.
Cellular Location	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome.

	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriolar satellite. Cytoplasm, cytoskeleton, cilium basal body. Note=Localizes to centrioles in proliferative cells and basal bodies in ciliated cells (PubMed:17485331). Disappears during ciliogenesis but reappears, albeit at a lower levels once ciliogenesis has completed (PubMed:28775150) [Isoform 6]: Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriolar satellite. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole Note=Disappears during ciliogenesis but reappears, albeit at a lower levels once ciliogenesis has completed.
Tissue Location	Mainly expressed in trachea and testis. Not detected in bone marrow, bladder, leukocytes. Only weakly detected in tongue, stomach, brain and ovaries.

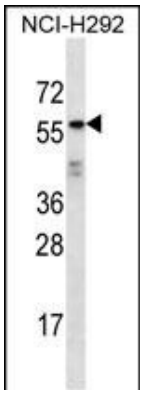
Background

ODF2L belongs to the ODF2 family. The specific function of this protein remains unknown.

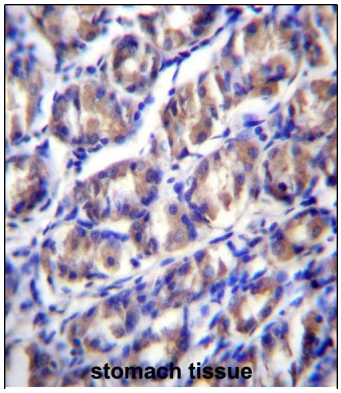
References

Strausberg, R.L., et al. Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903(2002)
Nagase, T., et al. DNA Res. 6(5):337-345(1999)
Bonaldo, M.F., et al. Genome Res. 6(9):791-806(1996)

Images



ODF2L Antibody (C-term) (Cat. #AP13014b) western blot analysis in NCI-H292 cell line lysates (35ug/lane).This demonstrates the ODF2L antibody detected the ODF2L protein (arrow).



ODF2L Antibody (C-term) (Cat. #AP13014b)immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of ODF2L Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.