

WDR16 Rabbit pAb

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Catalog # AP52295

Product Information

Primary Accession	Q8N1V2
Reactivity	Human
Predicted	Rat, Pig, Dog, Mouse, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	68298
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human WDR16
Epitope Specificity	401-500/620
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	WD repeat containing proteins, such as WDR16, play crucial roles in a wide range of physiologic functions, including signal transduction, RNA processing, remodeling the cytoskeleton, regulation of vesicular traffic, and cell division.

Additional Information

Gene ID	146845
Other Names	Cilia- and flagella-associated protein 52 {ECO:0000312 HGNC:HGNC:16053}, WD repeat-containing protein 16 {ECO:0000312 HGNC:HGNC:16053}, WD40-repeat protein up-regulated in HCC, CFAP52 (HGNC:16053)
Dilution	Flow-Cyt=1ug/Test
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	CFAP52 (HGNC:16053)
Function	Microtubule inner protein (MIP) part of the dynein-decorated doublet microtubules (DMTs) in cilia axoneme (PubMed: 36191189). Important for

proper ciliary and flagellar beating. May act in cooperation with CFAP45 and axonemal dynein subunit DNAH11 (PubMed:[33139725](#)). May play a role in cell growth and/or survival (PubMed:[15967112](#)).

Cellular Location

Cytoplasm. Cytoplasm, cytoskeleton, cilium axoneme. Cytoplasm, cytoskeleton, flagellum axoneme {ECO:0000250|UniProtKB:Q5F201}.
Note=Located in the proximal region of respiratory cilia.

Tissue Location

Expressed in respiratory cells and sperm (at protein level) (PubMed:33139725, PubMed:36191189). Highly expressed in testis (PubMed:15967112).
Up-regulated in hepatocellular carcinoma (HCC) (PubMed:15967112).

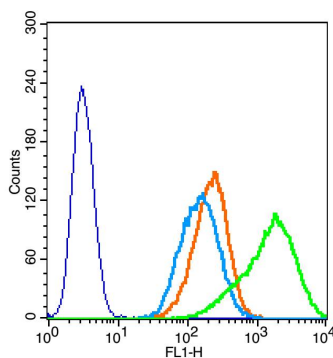
Background

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References

Silva F.P.,et al.Neoplasia 7:348-355(2005).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Zody M.C.,et al.Nature 440:1045-1049(2006).

Images



The blue histogram is unstained cells(Hepg2).
The Wathet Blue histogram is cells stained with secondary antibody alone.
The Orange histogram is cells stained with rabbit IgG isotype control antibody plus secondary antibody.
The green histogram is cells stained with Rabbit Anti-WDR16 antibody (AP52295)plus secondary antibody, Concentration 1:20

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