

C5orf48 Rabbit pAb

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Catalog # AP55869

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q6ZNM6
Predicted	Rat, Dog, Human, Mouse, Rabbit, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	15452
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human C5orf48
Epitope Specificity	51-134/134
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	C5orf48 (chromosome 5 open reading frame 48), also known as FLJ27505, MGC163367 or MGC163369, is a 134 amino acid protein. Encoded by a gene that maps to human chromosome 5q23.2, C5orf48 is linked to Autosomal dominant leukodystrophy (ADLD). Chromosome 5 makes up approximately 6% of the human genome and contains 181 million base pairs, which encode 1,000 genes. Chromosome 5 is associated with Cockayne syndrome through the ERCC8 gene and familial adenomatous polyposis through the adenomatous polyposis coli (APC) tumor suppressor gene. Treacher Collins syndrome is caused by insertions or deletions within the TCOF1 gene and is also associated with chromosome 5. Deletion of 5q or chromosome 5 altogether is common in therapy-related acute myelogenous leukemias and myelodysplastic syndrome.

Additional Information

Gene ID	389320
Other Names	Sperm-associated microtubule inner protein 10 {ECO:0000312 HGNC:HGNC:33767}, Testis-expressed protein 43, SPMIP10 (HGNC:33767), C5orf48, TEX43
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500
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	SPMIP10 (HGNC:33767)
Synonyms	C5orf48, TEX43
Function	Microtubule inner protein (MIP) part of the dynein-decorated doublet microtubules (DMTs) in flagellum axoneme, which is required for flagellum beating. May serve to reinforce and thus stabilize the microtubule structure in the sperm flagella. Involved in the regulation of sperm motility.
Cellular Location	Cytoplasm, cytoskeleton, flagellum axoneme {ECO:0000250 UniProtKB:Q9D9I1}. Note=Localizes at the ribbon and inner junction (IJ) between A- and B-tubules of the DMTs {ECO:0000250 UniProtKB:Q9D9I1}

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