

AL2SA Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP10777a

Product Information

Application	WB, FC, E
Primary Accession	Q53TS8
Other Accession	NP_689738.3
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB28453
Calculated MW	209056
Antigen Region	152-181

Additional Information

Gene ID	151254
Other Names	Amyotrophic lateral sclerosis 2 chromosomal region candidate gene 11 protein, ALS2CR11
Target/Specificity	This AL2SA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 152-181 amino acids from the N-terminal region of human AL2SA.
Dilution	WB~~1:1000 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	AL2SA Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CATSPERT {ECO:0000303 PubMed:34998468, ECO:0000312 HGNC:HGNC:14438}
Function	Auxiliary component of the CatSper complex, a complex involved in sperm

cell hyperactivation. Sperm cell hyperactivation is needed for sperm motility which is essential late in the preparation of sperm for fertilization. Required for CatSper complex targeting and trafficking into the quadrilinear nanodomains. Targets the preassembled CatSper complexes to elongating flagella, where it links the channel- carrying vesicles and motor proteins.

Cellular Location

Cell projection, cilium, flagellum membrane
{ECO:0000250|UniProtKB:E9Q9F6}. Note=Specifically located in the principal piece of sperm tail. {ECO:0000250|UniProtKB:E9Q9F6}

Tissue Location

Expressed in testis (at protein level).

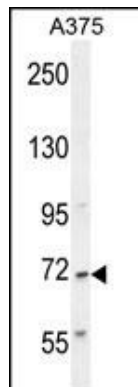
References

Hillier, L.W., et al. Nature 434(7034):724-731(2005)

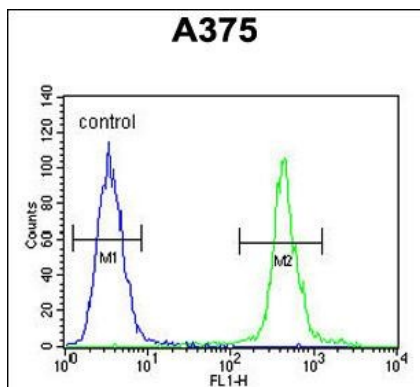
Jia, L., et al. Genomics 79(1):7-17(2002)

Hadano, S., et al. Nat. Genet. 29(2):166-173(2001)

Images



AL2SA Antibody (N-term) (Cat. #AP10777a) western blot analysis in A375 cell line lysates (35ug/lane). This demonstrates the AL2SA antibody detected the AL2SA protein (arrow).



AL2SA Antibody (N-term) (Cat. #AP10777a) flow cytometric analysis of A375 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'.