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C10orf63 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13942c

Product Information

Application	WB, E
Primary Accession	Q8TC29
Other Accession	Q6SP97, NP_659447.1
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB21847
Calculated MW	29454
Antigen Region	109-137

Additional Information

Gene ID	219670
Other Names	Enkurin, ENKUR, C10orf63
Target/Specificity	This C10orf63 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 109-137 amino acids from the Central region of human C10orf63.
Dilution	WB~~1:1000 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	C10orf63 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ENKUR (HGNC:28388)
Synonyms	C10orf63
Function	Adapter that functions to localize a calcium-sensitive signal transduction machinery in sperm to a calcium-permeable ion channel (By similarity).

	Microtubule inner protein (MIP) part of the dynein- decorated doublet microtubules (DMTs) in cilia axoneme, which is required for motile cilia beating (PubMed:36191189).
Cellular Location	Cytoplasm, cytoskeleton, cilium axoneme. Cytoplasm, cytoskeleton, flagellum axoneme {ECO:0000250|UniProtKB:Q6SP97}. Note=Sperm acrosomal crescent and flagellar principal piece. {ECO:0000250|UniProtKB:Q6SP97}
Tissue Location	Expressed in airway epithelial cells.

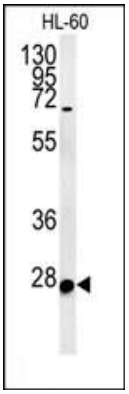
Background

Enkurin interacts with transient receptor potential canonical (TRPC) cation channels (see TRPC1; MIM 602343) and functions as an adaptor protein, tethering signal transduction proteins to TRPC channels (Sutton et al., 2004 [PubMed 15385169]).

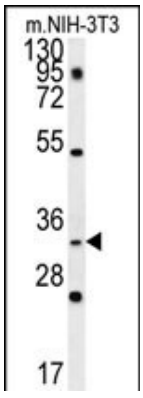
References

Beech, D.J. Handb Exp Pharmacol 179, 109-123 (2007) :
Sutton, K.A., et al. Dev. Biol. 274(2):426-435(2004)
Deloukas, P., et al. Nature 429(6990):375-381(2004)

Images



C10orf63 Antibody (Center) (Cat. #AP13942c) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the C10orf63 antibody detected the C10orf63 protein (arrow).



C10orf63 Antibody (Center) (Cat. #AP13942c) western blot analysis in mouse NIH-3T3 cell line lysates (35ug/lane).This demonstrates the C10orf63 antibody detected the C10orf63 protein (arrow).