10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ERMIN Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP4892c

Product Information

Application	WB, FC, E
Primary Accession	Q8TAM6
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB25523
Calculated MW	32783
Antigen Region	113-141

Additional Information

Gene ID	57471
Other Names	Ermin, Juxtanodin, JN, ERMN, KIAA1189
Target/Specificity	This ERMIN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 113-141 amino acids from the Central region of human ERMIN.
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	ERMIN Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ERMN
Synonyms	KIAA1189
Function	Plays a role in cytoskeletal rearrangements during the late wrapping and/or compaction phases of myelinogenesis as well as in maintenance and stability of myelin sheath in the adult. May play an important role in late-stage

	oligodendroglia maturation, myelin/Ranvier node formation during CNS development, and in the maintenance and plasticity of related structures in the mature CNS (By similarity).
Cellular Location	Cytoplasm, cytoskeleton.
Tissue Location	Highly expressed in adult and fetal brain. Expressed at intermediate levels in the lung and liver

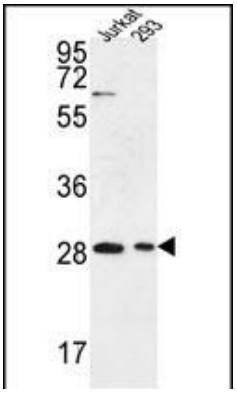
Background

ERMIN plays a role in cytoskeletal rearrangements during the late wrapping and/or compaction phases of myelinogenesis as well as in maintenance and stability of myelin sheath in the adult. ERMIN may play an important role in late-stage oligodendroglia maturation, myelin/Ranvier node formation during CNS development, and in the maintenance and plasticity of related structures in the mature CNS.

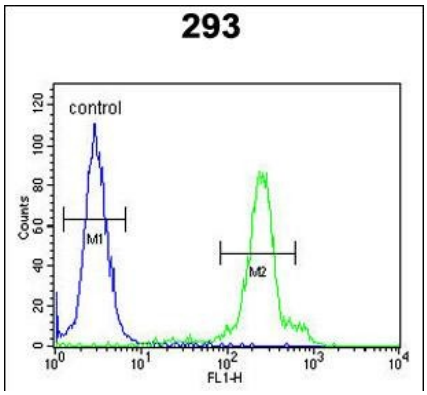
References

Brockschnieder, D., et al. J. Neurosci. 26(3):757-762(2006)
Zhang, B., et al. Proc. Natl. Acad. Sci. U.S.A. 102(32):11527-11532(2005)

Images



ERMIN Antibody (Center) (Cat. #AP4892c) western blot analysis in Jurkat,293 cell line lysates (35ug/lane).This demonstrates the ERMIN antibody detected the ERMIN protein (arrow).



ERMIN Antibody (Center) (Cat. #AP4892c) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.