ERMIN Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ERMIN, Polyclonal Antibody
Full Product Name	ERMIN, ID (ERMN, KIAA1189, Ermin, Juxtanodin) (MaxLight 650)
Product Gene Name	anti-ERMIN antibody
Product Synonym Gene Name	ERMN
Product Synonym Names	ERMN; KIAA1189; Ermin; Juxtanodin
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	34,301 Da
OMIM	DQ334271 mRNA
3D Structure	ModBase 3D Structure for Q8TAM6
Immunogen	ERMIN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between amino acids 120-150 from the Central region of human ERMIN.
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-ERMIN antibody	Antibodies; KIAA; orf
Applications Tested/Suitable for anti-ERMIN antibody	Flow Cytometry (FC/FACS), FLISA, Western Blot (WB)
Application Notes for anti-ERMIN antibody	FC/FACS: 1:10-50 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-ERMIN antibody	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.
Product References and Citations for anti-ERMIN antibody	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).

Other Notes	Small volumes of anti-ERMIN antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ERMIN purchase	MBS6296588 is an antibody targeting ERMIN. Also known as ERMIN, ID (ERMN, KIAA1189, Ermin, Juxtanodin) (MaxLight 650). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ERMIN. It may not necessarily be applicable to this product.

NCBI GI #	58331177
NCBI GeneID	57471
NCBI Accession #	NP_001009959.1
UniProt Primary Accession #	Q8TAM6
UniProt Secondary Accession #	Q9ULN1; B4DKA6
UniProt Related Accession #	Q8TAM6
GenBank Nucleotide #	NM_001009959.2
NCBI Official Full Name	ermin isoform a
NCBI Official Synonym Full Names	ermin
NCBI Official Symbol	ERMN
NCBI Official Synonym Symbols	JN; KIAA1189
UniProt Protein Name	Ermin
UniProt Synonym Protein Names	Juxtanodin; JN
Protein Family	Ermin
UniProt Gene Name	ERMN
UniProt Synonym Gene Names	KIAA1189; JN
NCBI Protein Information	ermin
UniProt Comments for 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. 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 ().
Research Articles on ERMIN	**1.** this study suggested a role for hErmin as a novel cytoskeleton-related oligodendroglial protein in human brain myelination and human epileptogenesis, and provide new evidence for the relationship between oligodendrocytes and epilepsy.
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