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MOBP Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6913a

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q13875
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB21242
Calculated MW	20959
Antigen Region	1-30

Additional Information

Gene ID	4336
Other Names	Myelin-associated oligodendrocyte basic protein, MOBP
Target/Specificity	This MOBP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human MOBP.
Dilution	WB~~1:1000 IHC-P~~1:100~500 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	MOBP Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

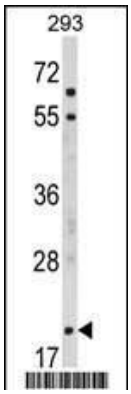
Name	MOBP
Function	May play a role in compacting or stabilizing the myelin sheath, possibly by binding the negatively charged acidic phospholipids of the cytoplasmic membrane.

Cellular Location	Cytoplasm, perinuclear region. Note=Present in the major dense line of CNS myelin.

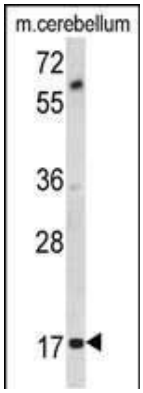
Background

MOBP may play a role in compacting or stabilizing the myelin sheath, possibly by binding the negatively charged acidic phospholipids of the cytoplasmic membrane (By similarity).

Images



Western blot analysis of MOBP Antibody (N-term) (Cat. #AP6913a) in 293 cell line lysates (35ug/lane). MOBP (arrow) was detected using the purified Pab.

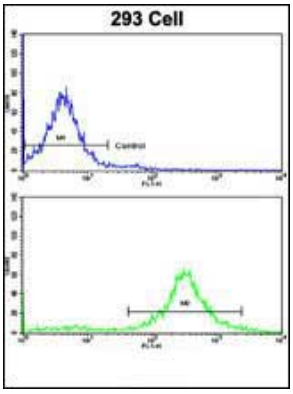


Western blot analysis of MOBP Antibody (N-term) (Cat. #AP6913a) in mouse cerebellum tissue lysates (35ug/lane). MOBP (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human brain reacted with MOBP Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Flow cytometric analysis of 293 cells using MOBP Antibody (N-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Citations

- Dystonia-specific mutations in THAP1 alter transcription of genes associated with neurodevelopment and myelin

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.