

**MOBP Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP6913a****Specification**

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**MOBP Antibody (N-term) - Product Information**

Application	FC, IHC-P, WB,E
Primary Accession	<a href="#">Q13875</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	20959
Antigen Region	1-30

**MOBP Antibody (N-term) - 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**

FC~~1:10~50

IHC-P~~1:50~100

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**

MOBP Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**MOBP Antibody (N-term) - 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**

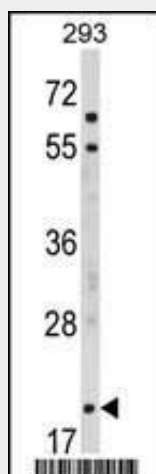
Cytoplasm, perinuclear region. Note=Present in the major dense line of CNS myelin.

**MOBP Antibody (N-term) - Protocols**

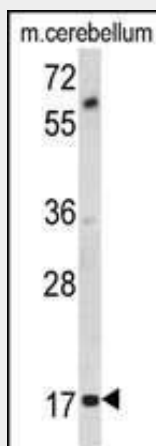
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**MOBP Antibody (N-term) - Images**

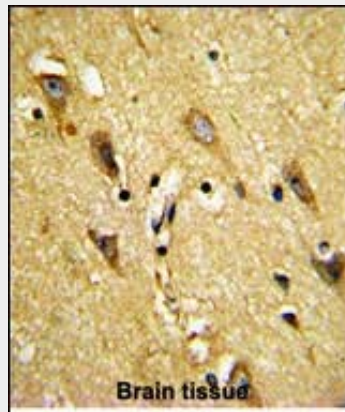


Western blot analysis of MOBP Antibody (N-term) (Cat. #AP6913a) in 293 cell line lysates (35ug/lane). MOBP (arrow) was detected using the purified Pab.

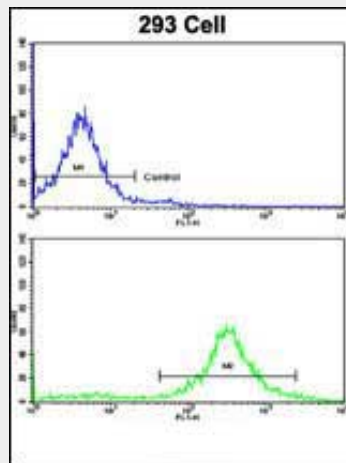


Western blot analysis of MOBP Antibody (N-term) (Cat. #AP6913a) in mouse cerebellum tissue

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.

### MOBP Antibody (N-term) - 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).

### MOBP Antibody (N-term) - Citations

- [Dystonia-specific mutations in THAP1 alter transcription of genes associated with neurodevelopment and myelin](#)