

MOG Polyclonal Antibody

Catalog number: 12690-1-AP

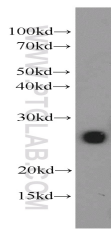
Size: 41 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

MOG; MOG, MOGIG 2, myelin oligodendrocyte glycoprotein



mouse brain tissue were subjected to SDS PAGE followed by western blot with 12690-1-AP(MOG antibody) at dilution of 1:500

Background

Myelin/oligodendrocyte glycoprotein (MOG), a 26-to 28-kDa glycoprotein, a myelin antigen at the outer surface of the central nervous system (CNS) myelin sheath, which may trigger T-cell as well as B-cell responses. It therefore constitutes a pivotal target for autoimmune responses, which result in inflammation and also demyelination in the CNS. Its presence on the outer- most lamellae of mature CNS myelin and its late appearance during myelinogenesis suggest that it contributes to myelin maturation or maintenance. 10 isoforms of MOG produced by alternative splicing have been described, and heterodimers may be formed between the different isoforms. Defects in MOG are the cause of narcolepsy type 7 (NRCLP7), a neurological disabling sleep disorder characterized by excessive daytime sleepiness, sleep fragmentation, symptoms of abnormal rapid-eye-movement (REM) sleep, cataplexy, hypnagogic hallucinations, and sleep paralysis. Role of MOG in the pathogenesis of multiple sclerosis (MS) has been reported but remains to be clarified.

Applications

Tested applications:	ELISA, WB
Cited applications:	Inhibition assay, WB
Species specificity:	Human,Mouse,Rat; other species not tested.
Cited species:	Human, mouse
Calculated MOG MW:	295aa,34 kDa
Observed MOG MW:	28 kDa
Positive WB detected in	Mouse brain tissue
Recommended dilution:	WB: 1:200-1:2000

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag3273
GenBank accession number:	BC035938
Gene ID (NCBI):	4340
Full name:	Myelin oligodendrocyte glycoprotein

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.