

Product datasheet for **TA351471S**

Oligodendrocyte myelin glycoprotein (OMG) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: Mouse brain tissue IHC: 50-200 Positive control: Human tonsil Predicted cell location: Nucleus or Cytoplasm
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human OMG
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	50 kDa
Gene Name:	oligodendrocyte myelin glycoprotein
Database Link:	NP_002535 Entrez Gene 18377 Mouse Entrez Gene 4974 Human P23515

Background: Oligodendrocyte myelin glycoprotein (OMG, OMgp) is a glycosylphosphatidylinositol-anchored protein expressed by neurons and oligodendrocytes that influences the development of the adult central nervous system (CNS). OMG inhibits neurite outgrowth through its interaction with the Nogo receptor. This function requires its leucine-rich repeat domain, a highly-conserved region in OMG that influences cell proliferation, formation and maintenance of myelin sheaths.

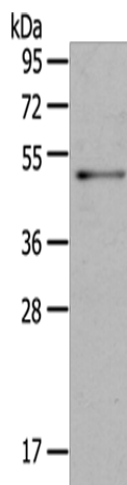


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Synonyms: OMGP

Protein Families: Druggable Genome, Transmembrane

Product images:



Gel: 8%SDS-PAGE

Lysate: 40 μ g

Lane: Mouse brain tissue

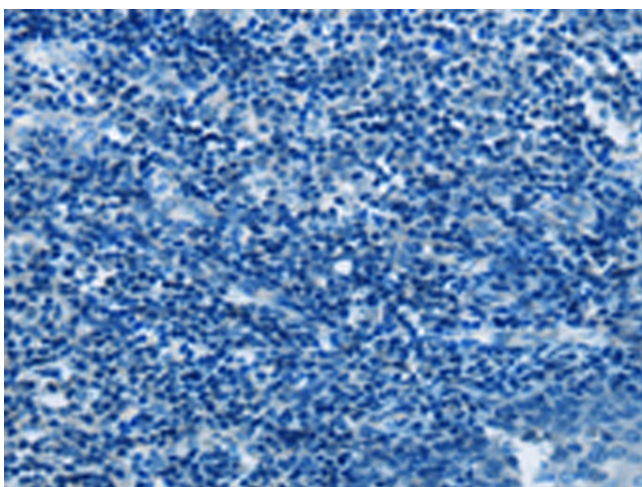
Primary antibody: [TA351471] (OMG Antibody) at dilution 1/200

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 20 seconds



Immunohistochemistry of paraffin-embedded Human tonsil tissue using [TA351471] (OMG Antibody) at dilution 1/30 (Original magnification: \times 200)



Immunohistochemistry of paraffin-embedded Human tonsil tissue using [TA351471] (OMG Antibody) at dilution 1/30, treated with synthetic peptide. (Original magnification: $\times 200$)