

M6a Glycoprotein

Cat.No. 238 003; Polyclonal rabbit antibody, 50 µg specific antibody (lyophilized)

Data Sheet

Reconstitution/ Storage	50 µg specific antibody, lyophilized. Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization. For reconstitution add 50 µl H ₂ O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	WB: 1 : 1000 (AP staining) IP: yes ICC: 1 : 1000 IHC: 1 : 200 IHC-P/FFPE: 1 : 200
Immunogen	Synthetic peptide corresponding to AA 261 to 270 from rat M6a Glycoprotein (UniProt Id: Q812E9)
Reactivity	Reacts with: human (P51674), rat (Q812E9), mouse (P35802), pig, dog, zebrafish. Other species not tested yet.
Specificity	Specific for M6a neuronal glycoprotein.
matching control	238-OP

TO BE USED IN VITRO / FOR RESEARCH ONLY
NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

M6a and M6b are transmembrane **glycoproteins** with four membrane spanning domains that belong to the myelin proteolipid protein (PLP) family. In contrast to other PLP proteins that are expressed by glia cells, M6a is found only in neurons where it is concentrated at presynaptic glutamateric terminals. M6a has been suggested to be a potential mediator of cell-cell interactions involved in axonfasciculation during development.

Selected General References

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Immunoelectron microscopic localization of the M6a antigen in rat brain.
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