

MAL 2A

Cat.No. 229 003; 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: not tested yet ICC: 1 : 500 IHC: 1 : 200 IHC-P/FFPE: not tested yet
Immunogen	Synthetic peptide corresponding to AA 13 to 21 from rat MAL2A (UniProt Id: Q7TPB7)
Reactivity	Reacts with: rat (Q7TPB7). Other species not tested yet.
Specificity	Specific for MAL 2A.
matching control	229-0P

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

MAL 2 is an integral membrane protein that contains 4 putative transmembrane domains and belongs to the myelin and lymphocyte (MAL) protein family. Two isoforms, **MAL 2A** and MAL 2B, have been described so far. MAL 2 overexpression has been reported in several cancer types like breast, ovarian, and pancreatic carcinoma. It has been shown to be an essential component of the machinery for basolateral-to-apical transcytosis in hepatoma HepG2 cells but its mechanistic function still has to be elucidated. Recently MAL 2A has been identified as a synaptic vesicle protein mainly localized to VGLuT positive vesicles.

Selected References SYSY Antibodies

Quantitative comparison of glutamatergic and GABAergic synaptic vesicles unveils selectivity for few proteins including MAL2, a novel synaptic vesicle protein.
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Selected General References

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Expression of MAL2, an integral protein component of the machinery for basolateral-to-apical transcytosis, in human epithelia.
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