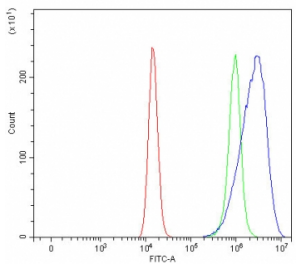
ROM1 Antibody / Rod outer segment membrane protein 1 (RQ7842)

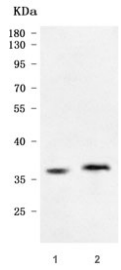
Catalog No.	Formulation	Size
RQ7842	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q03395
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This ROM1 antibody is available for research use only.



Flow cytometry testing of human HEL cells with ROM1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= ROM1 antibody.



Western blot testing of 1) rat eye and 2) mouse eye tissue lysate with ROM1 antibody. Predicted molecular weight ~37 kDa.

Description

Rod outer segment membrane protein 1 is a protein that in humans is encoded by the ROM1 gene. This gene is a member of a photoreceptor-specific gene family and encodes an integral membrane protein found in the photoreceptor disk rim of the eye. This protein can form homodimers or can heterodimerize with another photoreceptor, retinal degeneration slow (RDS). It is essential for disk morphogenesis, and may also function as an adhesion molecule involved in the stabilization and compaction of outer segment disks or in the maintenance of the curvature of the rim. Certain defects in this gene have been associated with the degenerative eye disease retinitis pigmentosa.

Application Notes

Optimal dilution of the ROM1 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids G32-A337) was used as the immunogen for the ROM1 antibody.

Storage

After reconstitution, the ROM1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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