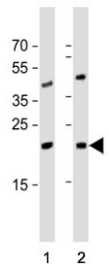
ORMDL3 Antibody / ORM1-like protein 3 (F55101)

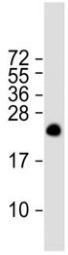
Catalog No.	Formulation	Size
F55101-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F55101-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q8N138
Applications	Western blot: 1:500-1:1000
Limitations	This ORMDL3 antibody is available for research use only.



Western blot testing of 1) human Jurkat and 2) mouse testis tissue lysate with ORMDL3 antibody. Predicted molecular weight ~17 kDa.



Western blot testing of human MOLT-4 cell lysate with ORMDL3 antibody. Predicted molecular weight ~17 kDa.

Description

ORM1-like protein 3 is a protein that is encoded by the ORMDL3 gene. It belongs to a family of proteins known as ORM proteins, which play a crucial role in regulating the levels of sphingolipids - a class of lipids that are involved in various cellular processes. In particular, ORMDL3 has been shown to be a key player in the regulation of sphingolipid synthesis, and aberrant expression of this protein has been implicated in a number of diseases, including asthma. Recent studies have revealed that ORMDL3 plays a critical role in the development of asthma. It has been shown that individuals with certain genetic variations that result in increased ORMDL3 expression are at a higher risk of developing asthma. Additionally, ORMDL3 has been shown to be involved in the regulation of immune responses in the lungs, with increased levels of this protein leading to inflammation and airway hyperreactivity - hallmark features of asthma.

Application Notes

The stated application concentrations are suggested starting points. Titration of the ORMDL3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 53-81 from the human protein was used as the immunogen for the ORMDL3 antibody.

Storage

Aliquot the ORMDL3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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