

MFGE8/BA46 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58448

Specification

MFGE8/BA46 Polyclonal Antibody - Product Information

Application WB, IHC-P, IHC-F, IF, E

Primary Accession

Host

Clonality

Calculated MW

Q08431

Rabbit

Polyclonal

5.5/20/40 KDa

Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived

from human MFGE8/BA46

Epitope Specificity 201-300/387

Isotype IgG

Purity
affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Membrane. Secreted.

SIMILARITY Contains 1 EGF-like domain.Contains 2 F5/8

type C domains.

Post-translational modifications Medin has a ragged N-terminus with minor

species starting at Pro-264 and Gly-273. This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

Plays an important role in the maintenance of intestinal epithelial homeostasis and the promotion of mucosal healing. Promotes VEGF-dependent neovascularization (By similarity). Contributes to phagocytic removal of apoptotic cells in many tissues. Specific ligand for the alpha-v/beta-3 and alpha-v/beta-5 receptors. Also binds to phosphatidylserine-enriched cell surfaces in a receptor-independent manner. Zona pellucida-binding protein which may play a role in gamete interaction. Binds specifically to rotavirus and inhibits its replication. Medin is the main constituent of aortic medial amyloid.

MFGE8/BA46 Polyclonal Antibody - Additional Information

Gene ID 4240

Important Note

Other Names

Lactadherin, Breast epithelial antigen BA46, HMFG, MFGM, Milk fat globule-EGF factor 8, MFG-E8, SED1, Lactadherin short form, Medin, MFGE8

Target/Specificity

Mammary epithelial cell surfaces and aortic media. Overexpressed in several carcinomas.



Dilution

WB~~1:1000<br \><span class
="dilution_IHC-P">IHC-P~~N/A<br \><span class
="dilution_IHC-F">IHC-F~~N/A<br \><span class
="dilution_IF">IF~~1:50~200<br \>E~~N/A

Storage

Store at -20 $^{\circ}$ C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 $^{\circ}$ C.

MFGE8/BA46 Polyclonal Antibody - Protein Information

Name MFGE8

Function

Plays an important role in the maintenance of intestinal epithelial homeostasis and the promotion of mucosal healing. Promotes VEGF-dependent neovascularization (By similarity). Contributes to phagocytic removal of apoptotic cells in many tissues. Specific ligand for the alpha-v/beta-3 and alpha-v/beta-5 receptors. Also binds to phosphatidylserine-enriched cell surfaces in a receptor-independent manner. Zona pellucida-binding protein which may play a role in gamete interaction.

Cellular Location

Membrane; Peripheral membrane protein. Secreted. Cytoplasmic vesicle, secretory vesicle, acrosome membrane {ECO:0000250|UniProtKB:P79385}; Peripheral membrane protein {ECO:0000250|UniProtKB:P79385}. Note=Located in the acrosomal region of zona-pellucida bound sperm. {ECO:0000250|UniProtKB:P79385}

Tissue Location

Mammary epithelial cell surfaces and aortic media. Overexpressed in several carcinomas

MFGE8/BA46 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MFGE8/BA46 Polyclonal Antibody - Images