

MFGE8/BA46 Rabbit pAb

MFGE8/BA46 Rabbit pAb Catalog # AP58448

Product Information

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

Primary Accession

Host
Clonality
Calculated MW
Physical State

Q08431
Rabbit
Polyclonal
43105
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 Medin has a ragged N-terminus with minor species starting at Pro-264 and

modifications Gly-273.

Important Note 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.

Additional Information

Gene ID 4240

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=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000

-10000

Storage Store at -20 °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 °C.

Protein Information

Name MFGE8

Function Plays an important role in the maintenance of intestinal epithelial

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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

Background

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.