ARG57980
anti-MFGE8 / Lactadherin antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MFGE8 / Lactadherin
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MFGE8 / Lactadherin
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-200 of Human MFG-E8 (NP_001108086.1).
Conjugation	Un-conjugated
Alternate Names	SPAG10; MFGM; HsT19888; HMFG; Milk fat globule-EGF factor 8; MFG-E8; BA46; hP47; EDIL1; Lactadherin; OAcGD3S; Breast epithelial antigen BA46; SED1

Application Instructions

Application table

Application	Dilution
ICC/IF	1:50 - 1:200
IHC-P	1:50 - 1:200
WB	1:500 - 1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	Mouse heart
Observed Size	~ 53 kDa

Properties

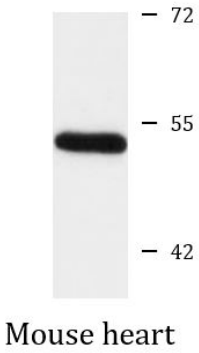
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	MFGE8
Gene Full Name	milk fat globule-EGF factor 8 protein
Background	This gene encodes a preproprotein that is proteolytically processed to form multiple protein products. The major encoded protein product, lactadherin, is a membrane glycoprotein that promotes phagocytosis of apoptotic cells. This protein has also been implicated in wound healing, autoimmune disease, and cancer. Lactadherin can be further processed to form a smaller cleavage product, medin, which comprises the major protein component of aortic medial amyloid (AMA). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2015]
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. Binds specifically to rotavirus and inhibits its replication. Medin is the main constituent of aortic medial amyloid. [UniProt]
Calculated Mw	43 kDa
PTM	Medin has a ragged N-terminus with minor species starting at Pro-264 and Gly-273. [UniProt]
Cellular Localization	Membrane, Peripheral membrane protein, Secreted. [UniProt]

Images



ARG57980 anti-MFGE8 / Lactadherin antibody WB image

Western blot: Mouse heart lysate stained with ARG57980 anti-MFGE8 / Lactadherin antibody at 1:3000 dilution.