10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-MFG-E8 Antibody

Catalog # AP53825

Product Information

Application	WB
Primary Accession	Q08431
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43105

Additional Information

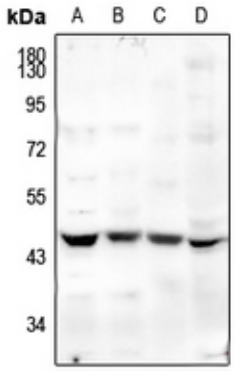
Gene ID	4240
Other Names	Lactadherin; Breast epithelial antigen BA46; HMFG; MFGM; Milk fat globule-EGF factor 8; MFG-E8; SED1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MFG-E8. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

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

Images



Western blot analysis of MFG-E8 expression in MCF7 (A), SKOVCAR3 (B), rat kidney (C), mouse lung (D) whole cell lysates. (Predicted band size: 43 kD; Observed band size: 45 kD)

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