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CAV3 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a partial recombinant CAV3.
Catalog # AT1406a

Product Information

Application	WB, E
Primary Accession	P56539
Other Accession	NM_001234
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	1G11
Calculated MW	17259

Additional Information

Gene ID	859
Other Names	Caveolin-3, M-caveolin, CAV3
Target/Specificity	CAV3 (NP_001225, 1 a.a. ~ 83 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	CAV3 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

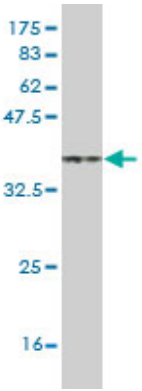
Background

This gene encodes a caveolin family member, which functions as a component of the caveolae plasma membranes found in most cell types. Caveolin proteins are proposed to be scaffolding proteins for organizing and concentrating certain caveolin-interacting molecules. Mutations identified in this gene lead to interference with protein oligomerization or intra-cellular routing, disrupting caveolae formation and resulting in Limb-Girdle muscular dystrophy type-1C (LGMD-1C), hyperCKemia or rippling muscle disease (RMD). Alternative splicing has been identified for this locus, with inclusion or exclusion of a differentially spliced intron. In addition, transcripts utilize multiple polyA sites and contain two potential translation initiation sites.

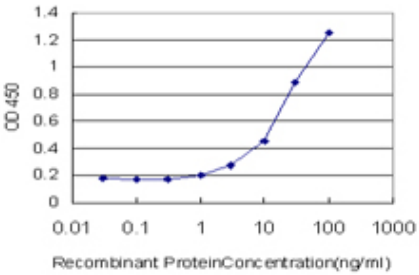
References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.Genetic risk factors for hepatopulmonary syndrome in patients with advanced liver disease. Roberts KE, et al. Gastroenterology, 2010 Jul. PMID 20346360.Bedside diagnosis of rippling muscle disease in CAV3 p.A46T mutation carriers. Sundblom J, et al. Muscle Nerve, 2010 Jun. PMID 20229577.Human variation in alcohol response is influenced by variation in neuronal signaling genes. Joslyn G, et al. Alcohol Clin Exp Res, 2010 May. PMID 20201926.Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (34.87 KDa) .



Detection limit for recombinant GST tagged CAV3 is approximately 1ng/ml as a capture antibody.

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