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ASAM Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13037c

Product Information

Application	WB, IHC-P, IHC-P-Leica, E
Primary Accession	Q9H6B4
Other Accession	Q8K1G0, Q8R373, NP_079045.1
Reactivity	Human, Mouse, Rat
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB32860
Calculated MW	41281
Antigen Region	81-110

Additional Information

Gene ID	79827
Other Names	CXADR-like membrane protein, Adipocyte adhesion molecule, Coxsackie- and adenovirus receptor-like membrane protein, CAR-like membrane protein, CLMP, ACAM, ASAM
Target/Specificity	This ASAM antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 81-110 amino acids from the Central region of human ASAM.
Dilution	WB~~1:1000 IHC-P~~1:100~500 IHC-P-Leica~~1:500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ASAM Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CLMP

Synonyms	ACAM, ASAM
Function	May be involved in the cell-cell adhesion. May play a role in adipocyte differentiation and development of obesity. Is required for normal small intestine development.
Cellular Location	Cell junction, tight junction. Cell membrane; Single-pass type I membrane protein
Tissue Location	Predominantly expressed in epithelial cells within different tissues and in the white adipose tissue. Expressed at high levels in small intestine and placenta, at intermediate levels in the heart, skeletal muscle, colon, spleen, kidney and lung and at low levels in the liver and peripheral blood leukocytes. Highly abundant in the intestine during embryo and fetal development (at protein level)

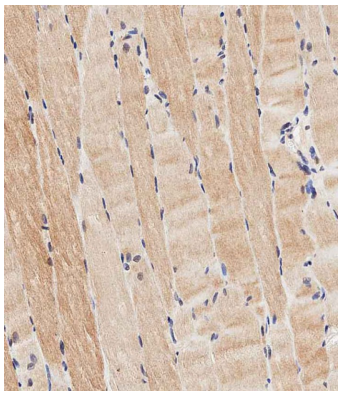
Background

The CTX (see VSIG2, MIM 606011) family of proteins, including ASAM, are type I transmembrane proteins within the Ig superfamily that localize to junctional complexes between endothelial and epithelial cells and may play a role in cell-cell adhesion (Raschperger et al., 2004 [PubMed 14573622]).[supplied by OMIM].

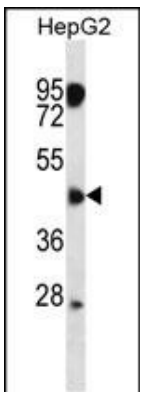
References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Kawabata, K., et al. Gene Ther. 14(16):1199-1207(2007)
Lamesch, P., et al. Genomics 89(3):307-315(2007)
Eguchi, J., et al. Biochem. J. 387 (PT 2), 343-353 (2005) :
Raschperger, E., et al. J. Biol. Chem. 279(1):796-804(2004)

Images



Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue using AP13037c performed on the Leica® BOND RXm. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH9. 0). Samples were incubated with primary antibody(1:500) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.



ASAM Antibody (Center) (Cat. #AP13037c) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the ASAM antibody detected the ASAM protein (arrow).



ASAM Antibody (Center) (Cat. #AP13037c)immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of ASAM Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

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