10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

ASAM Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP13037c

Specification

ASAM Antibody (Center) - Product Information

Application	**WB, IHC-P, IHC-P-Leica,E**
Primary Accession	Q9H6B4
Other Accession	Q8K1G0, Q8R373, NP_079045.1
Reactivity	**Human, Mouse**
Predicted	**Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**81-110**

ASAM Antibody (Center) - 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~~1:2000
IHC-P~~N/A
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.

ASAM Antibody (Center) - Protein Information

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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

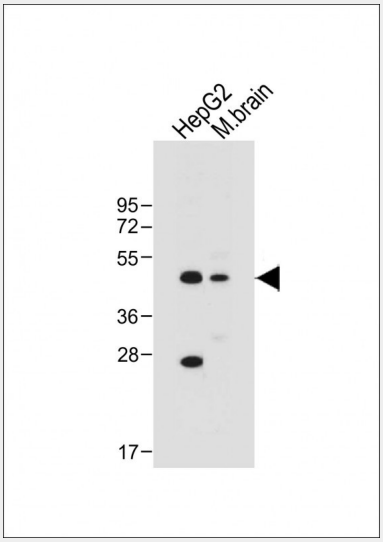
Tissue Location
Predominantly expressed in epithelial cells within different tissues and in the white adipose tissue. Expressed at high levels in small intestine and placenta, at intermediate levels in the heart, skeletal muscle, colon, spleen, kidney and lung and at low levels in the liver and peripheral blood leukocytes. Highly abundant in the intestine during embryo and fetal development (at protein level)

ASAM Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ASAM Antibody (Center) - Images



All lanes : Anti-ASAM Antibody (Center) at 1:1000 dilution Lane 1: HepG2 whole cell lysate Lane 2: Mouse brain tissue lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 41 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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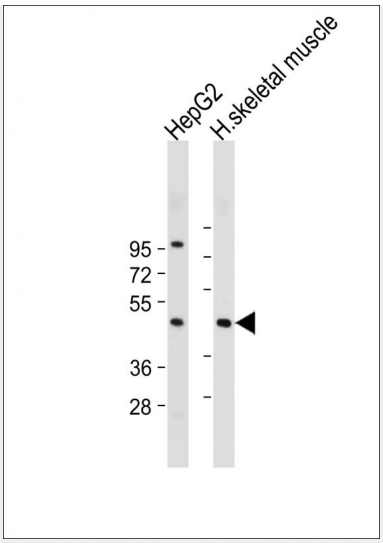
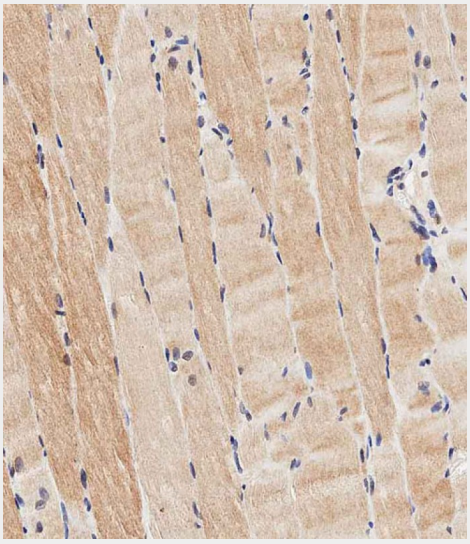


All lanes : Anti-ASAM Antibody (Center) at 1:2000 dilution Lane 1: HepG2 whole cell lysate Lane 2: Human skeletal muscle tissue lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 41 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



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.

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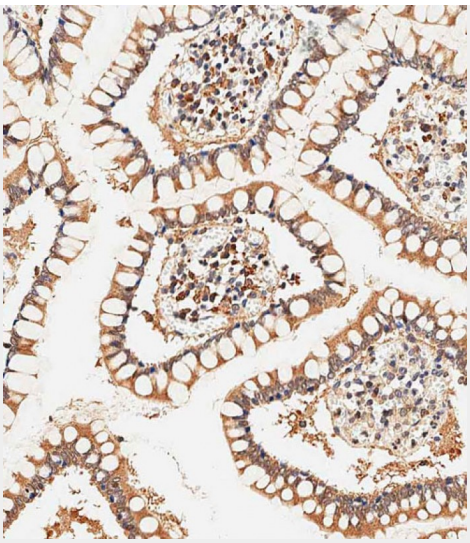

Immunohistochemical analysis of paraffin-embedded human small intestine tissue using AP13037c performed on the Leica® BOND RXm. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH9. 0). Samples were incubated with primary antibody(1:500)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

ASAM Antibody (Center) - 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].

ASAM Antibody (Center) - 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)