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Datasheet for ABIN732143  
**anti-MCAM antibody (AA 201-300)**

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### Overview

Quantity:	100 µL
Target:	MCAM
Binding Specificity:	AA 201-300
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MCAM antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CD146
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Predicted Reactivity:	Mouse,Dog,Cow,Horse
Purification:	Purified by Protein A.

### Target Details

Target:	MCAM
Alternative Name:	CD146/MCAM ( <a href="#">MCAM Products</a> )

## Target Details

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Background:	<p>Synonyms: CD146, MUC18, Cell surface glycoprotein MUC18, Cell surface glycoprotein P1H12, Melanoma cell adhesion molecule, Melanoma-associated antigen A32, Melanoma-associated antigen MUC18, S-endo 1 endothelial-associated antigen, MCAM</p> <p>Background: Plays a role in cell adhesion, and in cohesion of the endothelial monolayer at intercellular junctions in vascular tissue. Its expression may allow melanoma cells to interact with cellular elements of the vascular system, thereby enhancing hematogeneous tumor spread. Could be an adhesion molecule active in neural crest cells during embryonic development. Acts as surface receptor that triggers tyrosine phosphorylation of FYN and PTK2/FAK1, and a transient increase in the intracellular calcium concentration.</p>
Gene ID:	4162
UniProt:	<a href="#">P43121</a>

## Application Details

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Application Notes:	<p>WB 1:300-5000</p> <p>ELISA 1:500-1000</p> <p>FCM 1:20-100</p> <p>IHC-P 1:200-400</p>
Restrictions:	For Research Use only

## Handling

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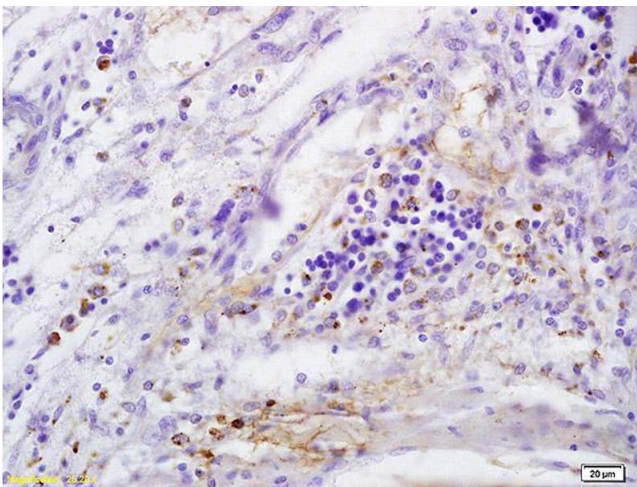
Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Product cited in:

Zhang, Chen, Liu, Zhou, Hu, Zhou, Han, Chen: "Exendin-4 promotes proliferation of adipose-derived stem cells through ERK and JNK signaling pathways." in: **In vitro cellular & developmental biology. Animal**, Vol. 52, Issue 5, pp. 598-606, (2016) ([PubMed](#)).

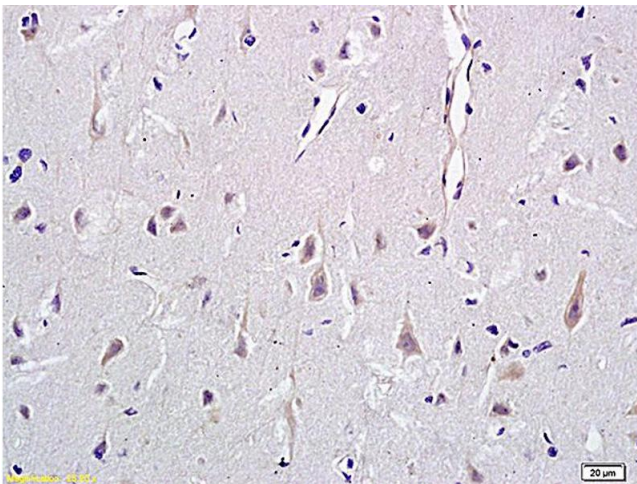
Hu, Zeng, Jiang, Hu, Meng, Zhu, Mao: "The expression of marker for endometrial stem cell and fibrosis was increased in intrauterine adhesious." in: **International journal of clinical and experimental pathology**, Vol. 8, Issue 2, pp. 1525-34, (2015) ([PubMed](#)).

Images



**Immunohistochemistry**

**Image 1.** Formalin-fixed and paraffin embedded human cervical carcinoma labeled with Anti-CD146/MCAM Polyclonal Antibody, Unconjugated (ABIN732143) at 1:200 followed by conjugation to the secondary antibody and DAB staining



**Immunohistochemistry**

**Image 2.** Formalin-fixed and paraffin embedded rat brain labeled with Anti-CD146/MCAM Polyclonal Antibody, Unconjugated (ABIN732143) at 1:400 followed by conjugation to the secondary antibody and DAB staining