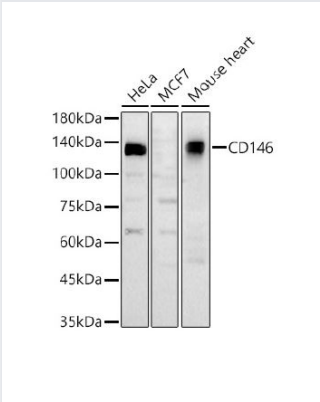
CD146 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CD146, Polyclonal Antibody
Full Product Name	CD146 Rabbit pAb
Product Gene Name	anti-CD146 antibody
Product Synonym Names	CD146; CD149; Muc18; s-endo; 1-gicerin; s-gicerin
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Purity/Purification	Affinity purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles. Ship: Ice Pack
Molecular Weight	66,901 Da
3D Structure	ModBase 3D Structure for Q8R2Y2
Positive Samples	HeLa, MCF7, Mouse heart
Immunogen	Recombinant protein of mouse CD146.
Product Categories/Family for anti-CD146 antibody	Polyclonal Antibodies
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CD146 antibody	Western Blot (WB)
Application Notes for anti-CD146 antibody	WB: 1:500-1:1000
Related Product Information for anti-CD146 antibody	Predicted to be involved in angiogenesis and positive regulation of cell migration. Predicted to act upstream of or within heterophilic cell-cell adhesion via plasma membrane cell adhesion molecules. Predicted to be located in external side of plasma membrane; extracellular space; and nucleus. Predicted to be active in plasma membrane. Is expressed in several structures, including adipose tissue; genitourinary system; gut; nervous system; and respiratory system. Orthologous to human MCAM (melanoma cell adhesion molecule).
Other Notes	Small volumes of anti-CD146 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CD146 purchase	MBS9146479 is an antibody targeting CD146. Also known as CD146 Rabbit pAb. Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-CD146 antibody
Western blot analysis of various lysates, using CD146 Rabbit pAb (MBS9146479) at 1:800 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 45s.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD146. It may not necessarily be applicable to this product.

NCBI GI #	160333901
NCBI GeneID	84004
NCBI Accession #	NP_075548.2
UniProt Primary Accession #	Q8R2Y2
UniProt Secondary Accession #	Q9EPF1; Q9ESS7; Q9JHQ2; Q9JHQ3
UniProt Related Accession #	Q8R2Y2
GenBank Nucleotide #	NM_023061.2
NCBI Official Full Name	cell surface glycoprotein MUC18
NCBI Official Synonym Full Names	melanoma cell adhesion molecule
NCBI Official Symbol	Mcam
NCBI Official Synonym Symbols	CD146; CD149; Muc18; s-endo; AV025631; 1-gicerin; s-gicerin
UniProt Protein Name	Cell surface glycoprotein MUC18
UniProt Synonym Protein Names	Gicerin; Melanoma cell adhesion molecule; Melanoma-associated antigen MUC18; CD_antigen: CD146
Protein Family	Cell surface glycoprotein
UniProt Gene Name	Mcam
UniProt Synonym Gene Names	Muc18
NCBI Protein Information	cell surface glycoprotein MUC18
UniProt Comments for CD146	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 ().
Research Articles on CD146	**1.** Microphthalmia-associated transcription factor regulates skin melanoblast migration by repressing the melanoma cell adhesion molecule

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