

CD146 Polyclonal Antibody

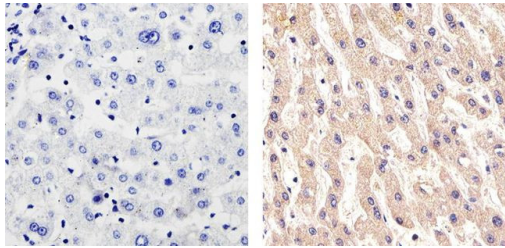
Product Details	
Size	100 µg
Species Reactivity	Human
Published Species	Mouse, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide derived from the internal sequence of the human MUC18 (CD146, Mel-CAM, MCAM) protein.
Form	Liquid
Concentration	0.25 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.4
Contains	0.1% sodium azide
Storage conditions	-20°C
RRID	AB_2533181

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	2 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:20-1:200	-
Flow Cytometry (Flow)	-	1 Publication

Product Images For CD146 Polyclonal Antibody

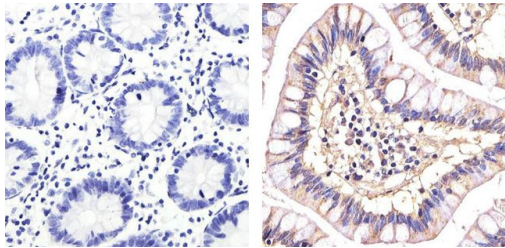
CD146 Antibody (34-6800) in IHC (P)

Immunohistochemistry analysis of Mel-CAM/CD146 showing staining in the membrane of paraffin-embedded human liver tissue (right) compared to a negative control without primary antibody (left). To expose target proteins, antigen retrieval was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H2O2-methanol for 15 min at room temperature, washed with ddH2O and PBS, and then probed with a Mel-CAM/CD146 polyclonal antibody (Product # 34-6800) diluted in 3% BSA-PBS at a dilution of 1:100 overnight at 4°C in a humidified chamber. Tissues were washed extensively in PBST and detection was performed using an HRP-conjugated secondary antibody followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.



CD146 Antibody (34-6800) in IHC (P)

Immunohistochemistry analysis of Mel-CAM/CD146 showing staining in the membrane of paraffin-embedded human colon tissue (right) compared to a negative control without primary antibody (left). To expose target proteins, antigen retrieval was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H2O2-methanol for 15 min at room temperature, washed with ddH2O and PBS, and then probed with a Mel-CAM/CD146 polyclonal antibody (Product # 34-6800) diluted in 3% BSA-PBS at a dilution of 1:20 overnight at 4°C in a humidified chamber. Tissues were washed extensively in PBST and detection was performed using an HRP-conjugated secondary antibody followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.



Western Blot (2)

<p>Tissue barriers</p> <p>Vitamin D Receptor Deletion Leads to the Destruction of Tight and Adherens Junctions in Lungs.</p> <p>"34-6800 was used in Western Blotting to study the role of the vitamin D receptor in lung barrier integrity."</p> <p>Authors: Chen H,Lu R,Zhang YG,Sun J</p>	<p>Year 2019</p> <p>Species Mouse</p>
<p>Molecular and cellular biochemistry</p> <p>Clinical significance of CD146 and latexin during different stages of thyroid cancer.</p> <p>Authors: Abd Elmageed ZY,Moroz K,Kandil E</p>	<p>Year 2013</p> <p>Species Human</p>

Flow Cytometry (1)

<p>PloS one</p> <p>CD146+ human umbilical cord perivascular cells maintain stemness under hypoxia and as a cell source for skeletal regeneration.</p> <p>Authors: Tsang WP,Shu Y,Kwok PL,Zhang F,Lee KK,Tang MK,Li G,Chan KM,Chan WY,Wan C</p>	<p>Year 2014</p> <p>Species Human</p>
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