



CD146 Antibody

E80806-5

Product Type:	Rabbit Polyclonal IgG, primary antibodies
Catalog Number:	E80806-5
Amount:	100ul 1mg/ml
Positive control:	Melanorna
Project ID:	R080611
Molecular Wt.:	113kDa
Cellular Localization:	Cell Membrane
Form of Antibody:	Liquid
Storage Buffer:	1*TBS (pH7.4), 0.5%BSA, 25%Glycerol. Preservative: 0.05% Sodium Azide.
Description:	CD146 is a cell surface glycoprotein, originally identified as a melanoma antigen, whose expression is associated with tumor progression and the development of metastatic potential. Overexpression of CD146 in breast carcinoma cells results in a more cohesive cell growth and in the formation of smaller tumors in nude mice. During implantation and placentation, CD146 is expressed by the intermediate trophoblast in the placental site and binds to its putative receptor in uterine smooth muscle cells thus limiting trophoblastic invasion in the myometrium.
Storage/Stability:	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Purity:	Affinity purified
Recommended Dilutions:	WB: 1:500-
Specificity/Sensitivity:	This antibody is produced by immunizing rabbits with a synthetic peptide (KLH-coupled) corresponding to a region of CD146.
Reactivity:	Mouse,Rat
Applications:	WB
Swiss-Prot No. :	SwissProt P43121/Q8R2Y2
References:	<ol style="list-style-type: none">1. <u>Lehmann J.M., Riethmueller G., Johnson J.P.</u>; "MUC18, a marker of tumor progression in human melanoma, shows sequence similarity to the neural cell adhesion molecules of the immunoglobulin superfamily."; <u>Proc. Natl. Acad. Sci. U.S.A.</u> 86:9891-9895(1989).2. <u>Sers C., Kirsch K., Rothbaecher U., Riethmueller G., Johnson J.P.</u>; "Genomic organization of the melanoma-associated glycoprotein MUC18: implications for the evolution of the immunoglobulin domains."; <u>Proc. Natl. Acad. Sci. U.S.A.</u> 90:8514-8518(1993).

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