

KD-Validated Anti-CD146 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

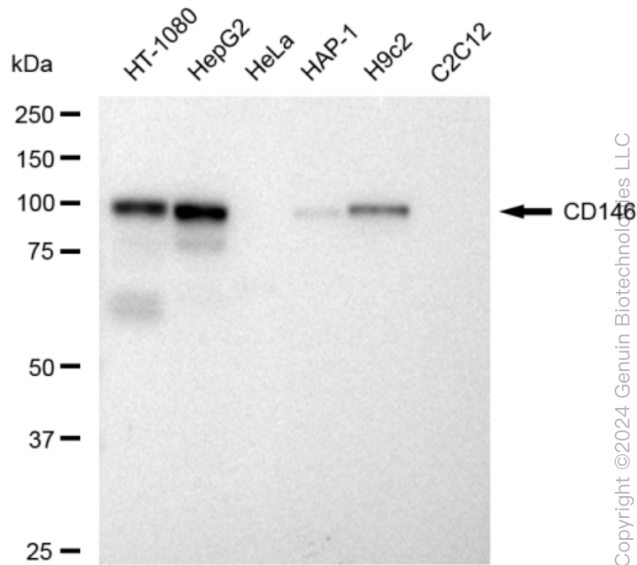
ABG1255

Product Overview

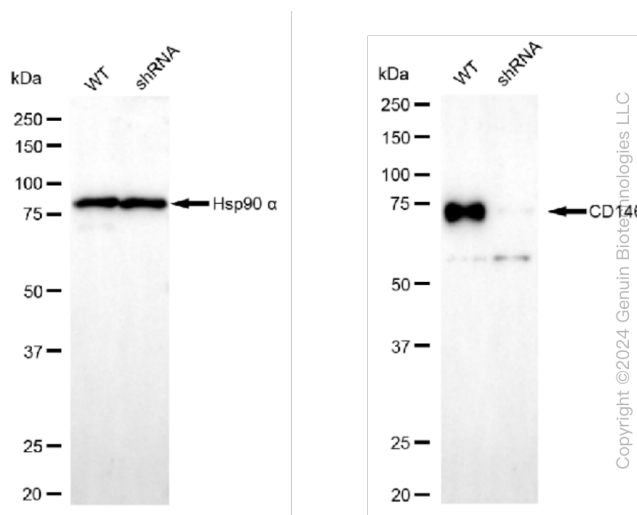
Name	KD-Validated Anti-CD146 Rabbit Monoclonal Antibody
Accession(Primary)	P43121
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human CD146
Species Reactivity	Human, Rat
Calculated MW	Predicted, 72 kDa, observed, 100 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western Blotting (WB): 1:1,000-1:5,000 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:1,000

Target information (P43121)

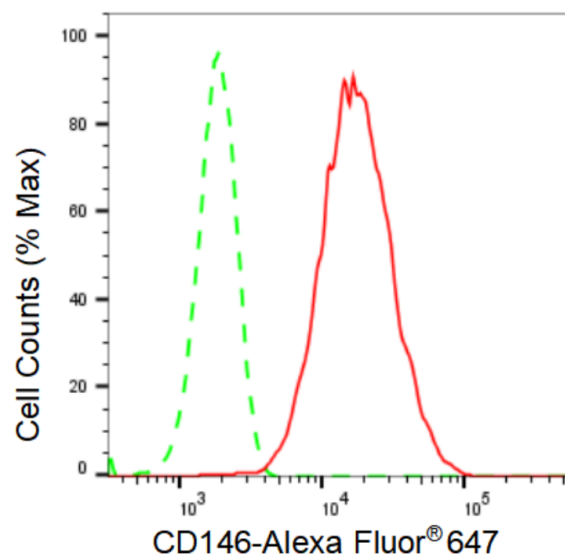
Gene Name	MCAM
About Gene Symbol	MCAM (Melanoma Cell Adhesion Molecule) is a cell surface marker involved in adaptive immunity and angiogenesis. It is an important research target in cancer research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.



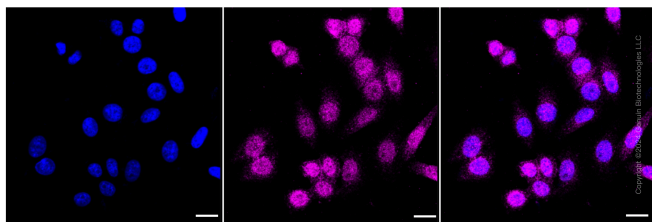
Western blotting analysis using anti-CD146 antibody (Cat#ABG1255). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-CD146 antibody (Cat#ABG1255, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-CD146 antibody (Cat#ABG1255). CD146 expression in wild type (WT) and CD146 shRNA knockdown (KD) HeLa cells with 30 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with anti-CD146 antibody (Cat#ABG1255, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of CD146 expression in HepG2 cells using CD146 antibody (Cat#ABG1255, 1:2,000). Green, isotype control; red, CD146.



Immunocytochemical staining of HepG2 cells with CD146 antibody (Cat#ABG1255, 1:1,000). Nuclei were stained blue with DAPI; CD146 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 μ m.