

CD147 Polyclonal Antibody

Catalog NumberPA5-29787

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Published species	Human
Class	Polyclonal	Tested Applications	
Type	Antibody	Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000
Immunogen	Recombinant fragment corresponding to a region within amino acids 100 and 323 of Human CD147	Western Blot (WB)	1:500-1:3,000
		Published Applications	
Conjugate	Unconjugated	Western Blot (WB)	See 1 publications below
Form	Liquid	Immunocytochemistry (ICC/IF)	See 1 publications below
Concentration	1 mg/mL	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Purification	Antigen affinity chromatography		
Storage buffer	0.1M tris glycine, pH 7, with 10% glycerol		
Contains	0.01% thimerosal		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: K562, THP-1. Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

CD147 (basigin, neurothelin, OX-47, 5A11, CE9, M6, EMMPRIN, extracellular matrix metalloproteinase inducer, TCSF, tumour cell-derived collagenase-stimulatory factor) is a 50-60 kDa glycoprotein with multiple glycosylated forms. CD147 is a plasma membrane protein that is important in spermatogenesis, embryo implantation, neural network formation, and tumor progression. CD147 is also a member of the immunoglobulin superfamily. The highest level of CD147 expression is on metabolically active cells, such as lymphoblasts, inflammatory cells, brown adipocytes and malignant tumor cells. CD147 has multiple functions, including facilitating of cell surface expression of monocarboxylate transporter proteins and extracellular matrix metalloproteinases, regulation of integrin functions, it plays roles in cell development and activation, fetal development or retinal function.

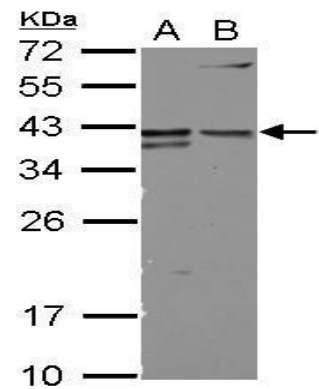
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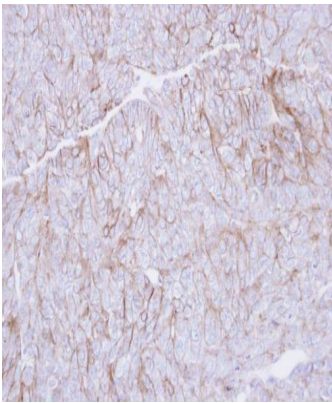
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Product Images For CD147 Polyclonal Antibody



CD147 Antibody (PA5-29787) in WB
Western Blot using CD147 Polyclonal Antibody (Product # PA5-29787). Sample (30 µg of whole cell lysate). Lane A: K562. Lane B: THP-1. 12% SDS PAGE. CD147 Polyclonal Antibody (Product # PA5-29787) diluted at 1:1,000.



CD147 Antibody (PA5-29787) in IHC (P)
Immunohistochemical analysis of paraffin-embedded DLD-1 xenograft , using EMMPRIN (Product # PA5-29787) antibody at 1:100 dilution. Antigen Retrieval: EDTA based buffer, pH 8.0, 15 min.

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PubMed References For CD147 Polyclonal Antibody

1 Western Blot References

Species / Dilution	Summary
	PA5-29787 was used in Immunocytochemistry-immunoflourescence to show the correlation between basigin and metalloprpteinase ADAM12 and how this is a novel basigin sheddase involved in invasion of cancer cells.
Human / Not Cited	International journal of molecular sciences (2019; 20:) "Identification of ADAM12 as a Novel Basigin Sheddase." Author(s):Albrechtsen R,Wewer Albrechtsen NJ,Gnosa S,Schwarz J,Dyrskjøet L,Kveiborg M PubMed Article URL:http://dx.doi.org/10.3390/ijms20081957

1 Immunocytochemistry References

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