

## CD147 Polyclonal Antibody

Catalog number: 11989-1-AP

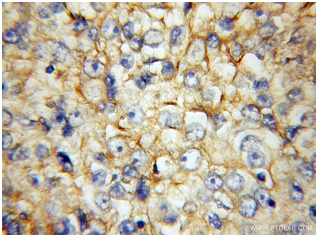
Size: 48 µg/150 µl

Source: Rabbit

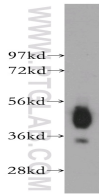
Isotype: IgG

Synonyms:

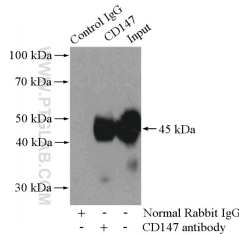
BSG; 5F7, Basigin, basigin (Ok blood group), BSG, CD147, Collagenase stimulatory factor, EMMPRIN, HAB18G, M6, OK, OK blood group antigen, TCSF



Immunohistochemical of paraffin-embedded human lung cancer using 11989-1-AP(CD147 antibody) at dilution of 1:100 (under 10x lens)



human liver tissue were subjected to SDS PAGE followed by western blot with 11989-1-AP(CD147 antibody) at dilution of 1:500



IP Result of anti-CD147 (IP:11989-1-AP, 4µg; Detection:11989-1-AP 1:300) with HEK-293 cells lysate 2800µg.

### Background

BSG, also named as 5F7, Basigin, EMMPRIN, TCSF and CD147, plays pivotal roles in spermatogenesis, embryo implantation, neural network formation and tumor progression. It stimulates adjacent fibroblasts to produce matrix metalloproteinases (MMPS).CD147 may target monocarboxylate transporters SLC16A1, SLC16A3 and SLC16A8 to plasma membranes of retinal pigment epithelium and neural retina. It seems to be a receptor for oligomannosidic glycans. CD147 is a receptor of CypA, inducing matrix metalloproteinase expression and mediating the degradation of the extracellular matrix, plays an important role in tumorigenesis and invasion in oral cancer. It has been considered as an objective and effective marker to predict invasion and prognosis in various cancers.

### Applications

Tested applications:	ELISA, WB, IHC, IP
Cited applications:	IHC, WB
Species specificity:	Human; other species not tested.
Cited species:	Human, mouse
Calculated CD147 MW:	385aa,42 kDa
Observed CD147 MW:	34 kDa+50 kDa
Positive WB detected in	Human liver tissue
Positive IP detected in	HEK-293 cells
Positive IHC detected in	Human lung cancer tissue, human breast cancer tissue, human gliomas tissue, human liver cancer tissue
Recommended dilution:	WB: 1:1000-1:10000
	IP: 1:200-1:1000
	IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag2619
GenBank accession number:	BC009040
Gene ID (NCBI):	682
Full name:	Basigin (Ok blood group)

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.