

## Allgemeine Informationen

**Katalog-Nr.:**

11989-1-AP

**Größe:**

150ul , Konzentration: 500 µg/ml von  
 Nanodrop und 320 µg/ml durch die  
 Bradford-Methode mit BSA als  
 Standard;

**Wirt:**

Kaninchen

**Isotyp:**

IgG

**Immunogen Katalognummer:**

AG2619

**GenBank-Zugangsnummer:**

BC009040

**GeneID (NCBI):**

682

**Vollständiger Name:**

basigin (Ok blood group)

**Berechnete Masse:**

385 aa, 42 kDa

**Beobachtete Masse:**

42-50 kDa

**Reinigungsmethode:**

Antigen-Affinitätsreinigung

**Empfohlene Verdünnungen:**

WB 1:1000-1:4000

IP 0.5-4.0 ug für IP und 1:200-1:1000

für WB

IHC 1:50-1:500

## Anwendungen

**Geprüfte Anwendungen:**

IHC, IP, WB, ELISA

**In Publikationen genannte Anwendungen:**

CoIP, IF, IHC, IP, WB

**Getestete Reaktivität:**

Human, Maus

**Zitierte Arten:**

Human, Maus

**Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

**Positivkontrollen:**

**WB** : humanes Lebergewebe, Jurkat-Zellen,  
 Mäuserzgewebe, Mauslebergewebe

**IP** : HEK-293-Zellen,

**IHC** : humanes Lungenkarzinomgewebe, humanes  
 Gliomgewebe, humanes Leberkarzinomgewebe,  
 humanes Mammakarzinomgewebe

## Hintergrundinformationen

CD147, also known as Basigin or extracellular matrix metalloproteinase inducer (EMMPRIN), is a transmembrane glycoprotein that belongs to the immunoglobulin superfamily (PMID: 7812975). The molecule is composed of an intracellular portion and an extracellular portion and a single transmembrane region. CD147 is expressed on a variety of cell types (e.g., hematopoietic, epithelial, and endothelial cells) and at varying levels (PMID: 32968061). Increased expression of CD147 occurs in many tumors. CD147 is a pleiotropic molecule that plays an important role in fetal, neuronal, lymphocyte and extracellular matrix development (PMID: 17945211). CD147 has been identified as a receptor essential for erythrocyte invasion by Plasmodium falciparum (PMID: 22080952). It has been reported that spike protein of SARS-CoV-2 binds to CD147 on host cells, thereby mediating the viral invasion (Wang, Ke, et al, BioRxiv, 2020). The CD147 gene, designated BSG for basigin, is located on chromosome 19p13.3. Four transcript variants encoding different isoforms have been found (PMID: 21536654). CD147 migrates on SDS-PAGE usually between 35 and 65 kDa, depending on the degree of glycosylation (PMID: 17945211).

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Linda Sooman	25263081	Acta Oncol	IHC
Lingling Gao	35003362	J Cancer	WB, IHC, CoIP
Tao Wang	28985237	PLoS Pathog	WB

## Lagerung

**Lagerungsbedingungen:**

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

**Lagerungspuffer:**

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

**\*\*\* 20ul-Größen enthalten 0.1% BSA**

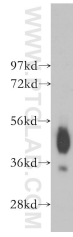
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
 in USA), or 1(312) 455-8498 (outside USA)

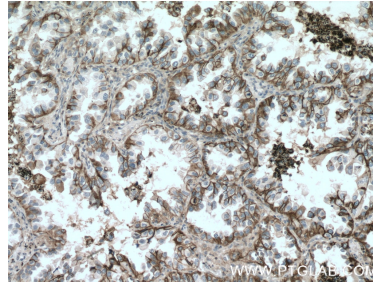
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
 W: [ptglab.com](http://ptglab.com)

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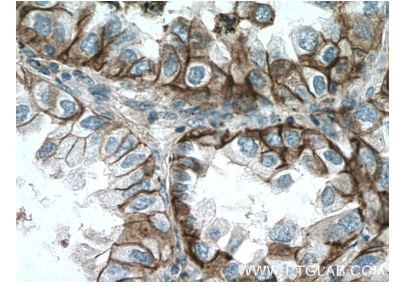
## Ausgewählte Validierungsdaten



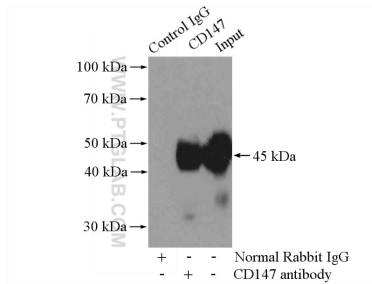
human liver tissue were subjected to SDS PAGE followed by western blot with 11989-1-AP (CD147 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 11989-1-AP (CD147 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 11989-1-AP (CD147 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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