

Product datasheet

Anti-CD147 antibody ab11572

2 References

Overview

Product name	Anti-CD147 antibody
Description	Goat polyclonal to CD147
Host species	Goat
Tested applications	Suitable for: IHC-P, WB, ELISA
Species reactivity	Reacts with: Mouse, Human
Immunogen	Recombinant extracellular domain (Human), expressed in mouse myeloma NSO cells.
General notes	Do not store in frost-free freezer. Endotoxin level is < 15 ng/mg antibody as determined by the LAL (Limulus ameocyte lysate) method.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: None Constituents: PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab11572** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		
WB		

Application	Abreviews	Notes
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ELISA

Application notes

IHC-P: 1/25.
 ELISA: Use at a concentration of 0.5 - 1 µg/ml. The detection limit for recombinant mouse EMMPRIN is approximately 0.2 ng/well.
 WB: Use at a concentration of 0.1 - 0.2 µg/ml. The detection limit for mouse EMMPRIN is approximately 1 ng/lane under non-reducing and reducing conditions. Detects a band of approximately 58 kDa.
 Not tested in other applications.
 Optimal dilutions/concentrations should be determined by the end user.

Target

Function

Plays pivotal roles in spermatogenesis, embryo implantation, neural network formation and tumor progression. Stimulates adjacent fibroblasts to produce matrix metalloproteinases (MMPs). May target monocarboxylate transporters SLC16A1, SLC16A3 and SLC16A8 to plasma membranes of retinal pigment epithelium and neural retina. Seems to be a receptor for oligomannosidic glycans. In vitro, promotes outgrowth of astrocytic processes.

Tissue specificity

Present only in vascular endothelium in non-neoplastic regions of the brain, whereas it is present in tumor cells but not in proliferating blood vessels in malignant gliomas.

Sequence similarities

Contains 1 Ig-like C2-type (immunoglobulin-like) domain.
 Contains 1 Ig-like V-type (immunoglobulin-like) domain.

Post-translational modifications

N-glycosylated.

Cellular localization

Cell membrane. Melanosome. Colocalizes with SLC16A1 and SLC16A8 (By similarity). Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

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