

For Research Use Only

CD228/MFI2 Polyclonal antibody

Catalog Number:33666-1-AP



Basic Information

Catalog Number:

33666-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG6302

GenBank Accession Number:

NM_013900.2

GeneID (NCBI):

30060

UNIPROT ID:

Q9R0R1

Full Name:

antigen p97 (melanoma associated)
identified by monoclonal antibodies
133.2 and 96.5

Calculated MW:

81 kDa

Observed MW:

81 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB: 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

mouse

Positive Controls:

WB : mouse brain tissue,

Background Information

CD228, also known as Melanotransferrin (MTF), p97, MFI2, etc., is an iron-binding glycoprotein belonging to the transferrin family. In normal tissues, the expression of CD228 is low, mainly confined to skin epidermis, brain endothelium, renal tubules, sweat gland and salivary gland ducts. However, in many tumor tissues, such as melanoma, non-small cell lung cancer, colorectal cancer, pancreatic cancer and so on, the expression of CD228 increased significantly. Soluble CD228 can cross the blood-brain barrier by interacting with transferrin receptor. In the brain, CD228 is located in microglia related to amyloid plaque cells in Alzheimer's disease. The increased concentration of CD228 in serum can be regarded as a surrogate marker of Alzheimer's disease.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

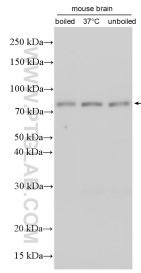
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33666-1-AP (CD228/MF12 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.