

For Research Use Only

CD228/MFI2 Polyclonal antibody

Catalog Number:33666-1-AP



Basic Information

Catalog Number: 33666-1-AP	GenBank Accession Number: NM_013900.2	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 490 ug/ml by Nanodrop;	GeneID (NCBI): 30060	Recommended Dilutions: WB: 1:500-1:1000
Source: Rabbit	UNIPROT ID: Q9R0R1	
Isotype: IgG	Full Name: antigen p97 (melanoma associated) identified by monoclonal antibodies	
Immunogen Catalog Number: EG6302	Calculated MW: 81 kDa	
	Observed MW: 81 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse brain tissue,
Species Specificity: mouse	

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

*** 20ul sizes contain 0.1% BSA

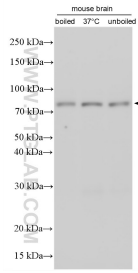
For technical support and original validation data for this product please contact:

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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.