

For Research Use Only

# MS4A7 Polyclonal antibody

Catalog Number: 11864-1-AP



## Basic Information

**Catalog Number:**

11864-1-AP

**Size:**

150ul , Concentration: 600 ug/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG2442

**GenBank Accession Number:**

BC020673

**GeneID (NCBI):**

58475

**UNIPROT ID:**

Q9GZW8

**Full Name:**

membrane-spanning 4-domains, subfamily A, member 7

**Calculated MW:**

240 aa, 26 kDa

**Observed MW:**

26 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

human, mouse

**Positive Controls:**

WB : BV-2 cells, K-562 cells

## Background Information

The human MS4A family currently includes 18 members, and these proteins have four putative transmembrane domains (tetraspan) and several protein kinase C (PKC) phosphorylation sites. Membrane-spanning 4-domains a7 (MS4A7) is a member of the MS4A family. It is expressed by myeloid cells. MS4A7 can act as a NAM-specific pathogenic factor that exacerbates metabolic dysfunction-associated steatohepatitis (MASH) progression in mice (PMID: 38478630). There are two isoforms of MS4A7 protein, with molecular weights of 26.14 kDa and 21.41 kDa respectively.

## Storage

**Storage:**

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

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

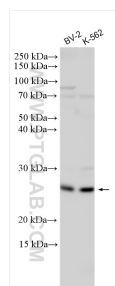
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 11864-1-AP (MS4A7 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.