

For Research Use Only

Septin 5 Monoclonal antibody

Catalog Number: 68075-1-Ig



Basic Information

Catalog Number: 68075-1-Ig	GenBank Accession Number: BC025261	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5413	CloneNo.: 1E2A3
Source: Mouse	Full Name: septin 5	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG1	Calculated MW: 369 aa, 43 kDa	
Immunogen Catalog Number: AG2205	Observed MW: 40-43 kDa	

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, Mouse, Rat, Rabbit, Pig

Positive Controls:

WB : pig brain tissue, LNCaP cells, Jurkat cells, K-562 cells, rabbit brain tissue, rat brain tissue, mouse brain tissue

Background Information

Septin 5, a septin family member formerly called cell division control related protein 1 (CDCrel), is encoded in the 200 kb region and is abundantly expressed in the developing and adult brains of mice and humans. Although its constitutive deletion does not cause detectible structural or developmental abnormalities in the mouse brain, Septin 5 has been implicated in subtle neuronal and behavioral functions. Septin 5 is expressed in presynaptic terminals and exerts negative regulatory control over neurotransmitter release by binding to SNARE-protein, which has been implicated in neuropsychiatric disorders (PMID: 19240081). Septin 5 has 2 isoforms with the molecular mass of 39 and 43 kDa.

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

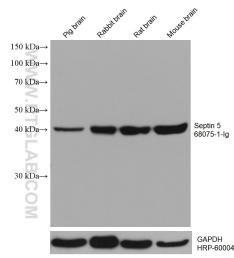
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68075-1-Ig (Septin 5 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.