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ADAP1

Purified Mouse Monoclonal Antibody
Catalog # AO2631a

Product Information

Application	WB, IHC, ICC, E
Primary Accession	O75689
Reactivity	Human, Rat
Host	Mouse
Clonality	Monoclonal
Clone Names	3E2D9
Isotype	Mouse IgG1
Calculated MW	43395
Immunogen	Purified recombinant fragment of human ADAP1 (AA: 240-370) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID	11033
Other Names	GCS1L; CENTA1; P42ip4
Dilution	WB~~ 1/500 - 1/2000 IHC~~1:100~500 ICC~~N/A E~~ 1/10000
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ADAP1 is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ADAP1
Synonyms	CENTA1
Function	GTPase-activating protein for the ADP ribosylation factor family (Probable). Binds phosphatidylinositol 3,4,5-trisphosphate (PtdInsP3) and inositol 1,3,4,5-tetrakisphosphate (InsP4). Regulates the incorporation of CD63 and CD9 into multivesicular bodies (PubMed:38682696).
Cellular Location	Nucleus. Cytoplasm. Note=Recruited to the plasma membrane upon epidermal growth factor-dependent activation of phosphatidylinositol

4,5-diphosphate (PtdInsP2) 3-kinase

Tissue Location Expressed at highest levels in brain and at lower levels in peripheral blood leukocytes.

References

1.Biol Chem. 2014 Nov 1;395(11):1321-40.2.Neurochem Int. 2011 Nov;59(6):936-44.

Images

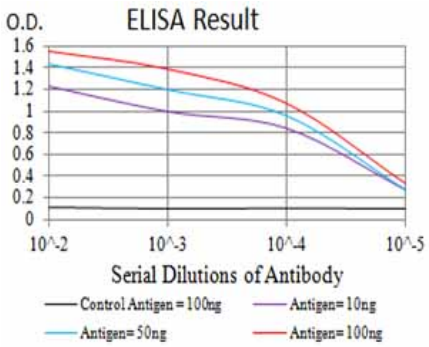


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

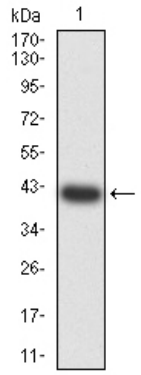


Figure 2:Western blot analysis using ADAP1 mAb against human ADAP1 (AA: 240-370) recombinant protein. (Expected MW is 41.6 kDa)

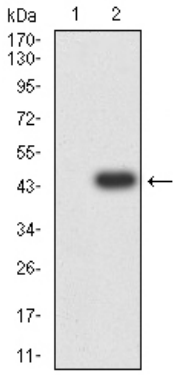
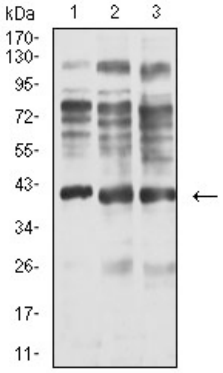


Figure 3:Western blot analysis using ADAP1 mAb against HEK293 (1) and ADAP1 (AA: 240-370)-hIgGFc transfected HEK293 (2) cell lysate.

Figure 4:Western blot analysis using ADAP1 mouse mAb against C6 (1), A549 (2), and HepG2 (3) cell lysate.



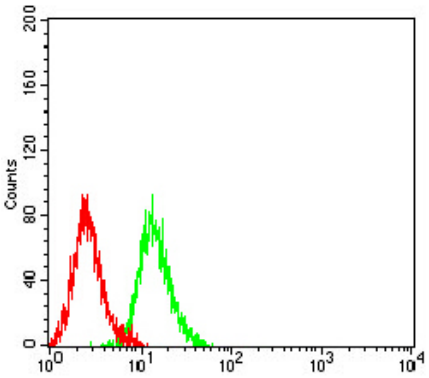


Figure 5:Flow cytometric analysis of K562 cells using ADAP1 mouse mAb (green) and negative control (red).