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BAIAP2L1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant BAIAP2L1.
Catalog # AT1264a

Product Information

Application	WB, IHC, E
Primary Accession	Q9UHR4
Other Accession	NM_018842
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	2A4
Calculated MW	56883

Additional Information

Gene ID	55971
Other Names	Brain-specific angiogenesis inhibitor 1-associated protein 2-like protein 1, BAI1-associated protein 2-like protein 1, Insulin receptor tyrosine kinase substrate, BAIAP2L1, IRTKS
Target/Specificity	BAIAP2L1 (NP_061330, 398 a.a. ~ 511 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	BAIAP2L1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

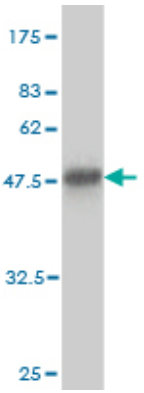
Background

This gene encodes a member of the IMD (IRSp53/MIM homology domain) family. Members of this family can be subdivided in two groups, the IRSp53-like and MIM-like, based on the presence or absence of the SH3 (Src homology 3) domain. The protein encoded by this gene contains a conserved IMD, also known as F-actin bundling domain, at the N-terminus, and a canonical SH3 domain near the C-terminus, so it belongs to the IRSp53-like group. This protein is the substrate for insulin receptor tyrosine kinase and binds to the small GTPase Rac. It is involved in signal transduction pathways that link deformation of the plasma membrane and remodeling of the actin cytoskeleton. It also promotes actin assembly and membrane protrusions when overexpressed in mammalian cells, and is essential to the formation of a potent actin assembly complex during EHEC (Enterohemorrhagic Escherichia coli) pedestal formation.

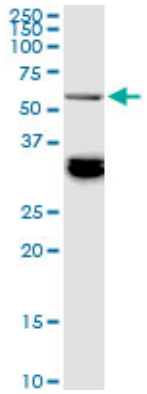
References

Identification of SH3 domain interaction partners of human FasL (CD178) by phage display screening. Voss M, et al. BMC Immunol, 2009 Oct 6. PMID 19807924.Insulin receptor tyrosine kinase substrate links the E. coli O157:H7 actin assembly effectors Tir and EspF(U) during pedestal formation. Vingadassalom D, et al. Proc Natl Acad Sci U S A, 2009 Apr 21. PMID 19366662.IRSp53: crossing the road of membrane and actin dynamics in the formation of membrane protrusions. Scita G, et al. Trends Cell Biol, 2008 Feb. PMID 18215522.Distinctive gene expression signatures in rheumatoid arthritis synovial tissue fibroblast cells: correlates with disease activity. Galligan CL, et al. Genes Immun, 2007 Sep. PMID 17568789.Characterisation of IRTKS, a novel IRSp53/MIM family actin regulator with distinct filament bundling properties. Millard TH, et al. J Cell Sci, 2007 May 1. PMID 17430976.

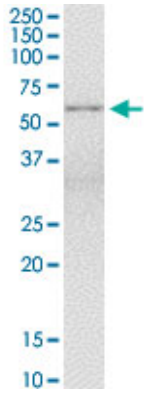
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (38.28 KDa) .

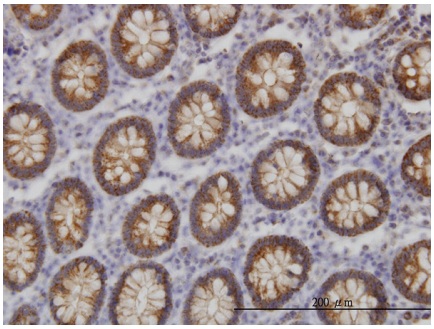


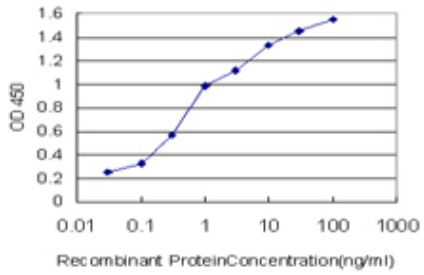
BAIAP2L1 monoclonal antibody (M01), clone 2A4.
Western Blot analysis of BAIAP2L1 expression in HeLa.



BAIAP2L1 monoclonal antibody (M01), clone 2A4.
Western Blot analysis of BAIAP2L1 expression in Hela S3 NE.

Immunoperoxidase of monoclonal antibody to BAIAP2L1 on formalin-fixed paraffin-embedded human colon. [antibody concentration 3 ug/ml]





Detection limit for recombinant GST tagged BAIAP2L1 is approximately 0.03ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.