

ARHGDIA Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant ARHGDIA.

Catalog # AT1181a

Product Information

Application	E
Primary Accession	P52565
Other Accession	BC016031
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	1E12-2G11
Calculated MW	23207

Additional Information

Gene ID	396
Other Names	Rho GDP-dissociation inhibitor 1, Rho GDI 1, Rho-GDI alpha, ARHGDIA, GDIA1
Target/Specificity	ARHGDIA (AAH16031, 1 a.a. ~ 204 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	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	ARHGDIA Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

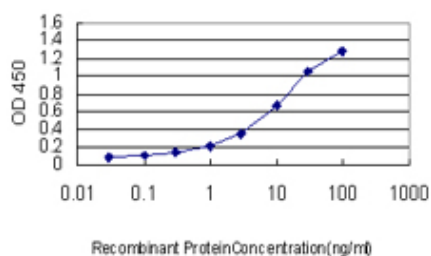
Aplysia Ras-related homologs (ARHs), also called Rho genes, belong to the RAS gene superfamily encoding small guanine nucleotide exchange (GTP/GDP) factors. The ARH proteins may be kept in the inactive, GDP-bound state by interaction with GDP dissociation inhibitors, such as ARHGDIA (Leffers et al., 1993 [PubMed 8262133]).

References

Serine 34 phosphorylation of rho guanine dissociation inhibitor (RhoGDIalpha) links signaling from conventional protein kinase C to RhoGTPase in cell adhesion. Dovas A, et al. J Biol Chem, 2010 Jul 23. PMID 20472934. Regulation of Rho GTPase crosstalk, degradation and activity by RhoGDI1. Boulter E, et al. Nat Cell

Biol, 2010 May. PMID 20400958. Sex-specific proteome differences in the anterior cingulate cortex of schizophrenia. Martins-de-Souza D, et al. J Psychiatr Res, 2010 Apr 8. PMID 20381070. Gain of miR-151 on chromosome 8q24.3 facilitates tumour cell migration and spreading through downregulating RhoGDI α . Ding J, et al. Nat Cell Biol, 2010 Apr. PMID 20305651. Rho GDP dissociation inhibitor α expression correlates with the outcome of CMF treatment in invasive ductal breast cancer. Ronneburg H, et al. Int J Oncol, 2010 Feb. PMID 20043072.

Images



Detection limit for recombinant GST tagged ARHGDI α is approximately 0.3 ng/ml as a capture antibody.

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