

ARG58919 anti-GDI1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes GDI1
Tested Reactivity	Hu, Ms, Rat
Predict Reactivity	Bov, Mk
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	GDI1
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 415-443 of Human GDI1.
Conjugation	Un-conjugated
Alternate Names	Rab GDP dissociation inhibitor alpha; GDIL; Protein XAP-4; OPHN2; 1A; Oligophrenin-2; RABGD1A; Rab GDI alpha; XAP-4; MRX41; Guanosine diphosphate dissociation inhibitor 1; RABGDIA; GDI-1; MRX48

Application Instructions

Application table	Application	Dilution
	WB	1:1000 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse brain	

Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide.
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	GDI1
Gene Full Name	GDP dissociation inhibitor 1
Background	GDP dissociation inhibitors are proteins that regulate the GDP-GTP exchange reaction of members of the rab family, small GTP-binding proteins of the ras superfamily, that are involved in vesicular trafficking of molecules between cellular organelles. GDIs slow the rate of dissociation of GDP from rab proteins and release GDP from membrane-bound rabs. GDI1 is expressed primarily in neural and sensory tissues. Mutations in GDI1 have been linked to X-linked nonspecific mental retardation. [provided by RefSeq, Jul 2008]
Function	Regulates the GDP/GTP exchange reaction of most Rab proteins by inhibiting the dissociation of GDP from them, and the subsequent binding of GTP to them. Promotes the dissociation of GDP-bound Rab proteins from the membrane and inhibits their activation. Promotes the dissociation of RAB1A, RAB3A, RAB5A and RAB10 from membranes. [UniProt]
Calculated Mw	51 kDa
Cellular Localization	Cytoplasm. Golgi apparatus, trans-Golgi network. [UniProt]

Images

