

Rabbit GDI1 Polyclonal Antibody | anti-GDI1 antibody

GDI1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327053	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

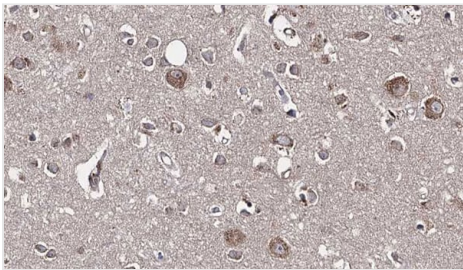
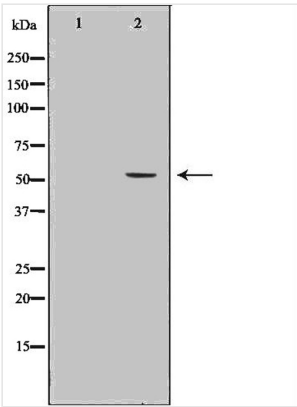
PRODUCT SYNONYMS

GDI1; Polyclonal Antibody; GDI1 Antibody; 1A; FLJ41411; GDI-1; gdi1; GDIA_HUMAN; GDIL; GDP dissociation inhibitor 1; Guanosine diphosphate dissociation inhibitor 1; Mental retardation X-linked 41; Mental retardation X-linked 48; MRX41; MRX48; Oligophrenin 2; Oligophrenin-2; OPHN2; Protein XAP 4; Protein XAP-4; Protein XAP4; Rab GDI alpha; Rab GDP dissociation inhibitor alpha; RABGD1A; RABGDIA; XAP 4; anti-GDI1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GDI1 antibody detects endogenous levels of total GDI1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	447
Applicable Applications for anti-GDI1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GDI1
Subcellular Location	Cytoplasm.
Tissue Specificity	Brain; predominant in neural and sensory tissues.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Xenopus
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA327053 at 1/100 staining Human brain cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of Mouse liver tissue lysates, using GDI1 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-GDI1 antibody

Description: 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.

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.

Subunit Structure: Interacts with RHOH. Interacts with RAB1A, RAB3A, RAB5A and RAB10.

Similarity: Belongs to the Rab GDI family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503971
NCBI GeneID	2664
NCBI Accession #	NP_001484.1
NCBI GenBank Nucleotide #	NM_001493.2
UniProt Accession #	P31150; P50394; Q6FG50; Q7Z2G6; Q7Z2G9; Q7Z2H5; Q7Z2I6
Molecular Weight	Observed: 55 kDa Predicted: 51 kDa
NCBI Official Full Name	rab GDP dissociation inhibitor alpha
NCBI Official Synonym Full Names	GDP dissociation inhibitor 1
NCBI Official Symbol	GDI1
NCBI Official Synonym Symbols	1A; GDIL; MRX41; MRX48; OPHN2; XAP-4; RABGD1A; RABGDIA
NCBI Protein Information	rab GDP dissociation inhibitor alpha
UniProt Protein Name	Rab GDP dissociation inhibitor alpha
UniProt Gene Name	GDI1
UniProt Synonym Gene Names	GDIL; OPHN2; RABGDIA; XAP4; Rab GDI alpha; GDI-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gdi1-antibody-immunohistochemistry-western-blot-elisa/327053>