

GDI-1 rabbit pAb**Cat#: orb766639 (Manual)**

For research use only. Not intended for diagnostic use.

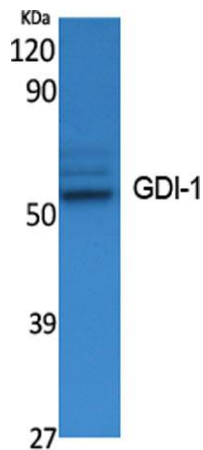
Product Name	GDI-1 rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human GDI-1. AA range:394-443
Specificity	GDI-1 Polyclonal Antibody detects endogenous levels of GDI-1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Rab GDP dissociation inhibitor alpha
Gene Name	GDI1
Cellular localization	Cytoplasm . Golgi apparatus, trans-Golgi network .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

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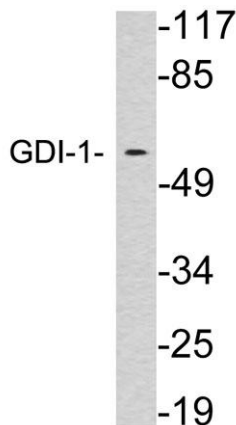
Concentration	1 mg/ml
Observed band	50kD
Human Gene ID	2664
Human Swiss-Prot Number	P31150
Alternative Names	GDI1; GDIL; OPHN2; RABGDIA; XAP4; Rab GDP dissociation inhibitor alpha; Rab GDI alpha; Guanosine diphosphate dissociation inhibitor 1; GDI-1; Oligophrenin-2; Protein XAP-4

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],



Western Blot analysis of extracts from K562 cells, using GDI-1 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western blot analysis of lysates from brain tissue, using GDI-1 antibody.



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