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GDI2 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI16207

Product Information

Application	WB
Primary Accession	P50395
Other Accession	NM_001494, NP_001485
Reactivity	Human, Mouse, Pig, Guinea Pig, Horse, Sheep
Predicted	Human, Mouse, Pig, Chicken, Guinea Pig, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	50663

Additional Information

Gene ID	2665
Alias Symbol	RABGDIB
Other Names	Rab GDP dissociation inhibitor beta, Rab GDI beta, Guanosine diphosphate dissociation inhibitor 2, GDI-2, GDI2, RABGDIB
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-GDI2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	GDI2 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GDI2
Synonyms	RABGDIB
Function	GDP-dissociation inhibitor preventing the GDP to GTP exchange of most Rab proteins. By keeping these small GTPases in their inactive GDP-bound form regulates intracellular membrane trafficking (PubMed:25860027). Negatively regulates protein transport to the cilium and ciliogenesis through the inhibition of RAB8A (PubMed:25860027).
Cellular Location	Cytoplasm. Membrane; Peripheral membrane protein. Golgi apparatus, trans-Golgi network

Tissue Location Ubiquitous..

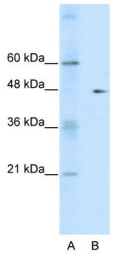
Background

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.

References

Asada M.,et al.Submitted (APR-1993) to the EMBL/GenBank/DDBJ databases.
Sedlacek Z.,et al.Mamm. Genome 9:78-80(1998).
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Deloukas P.,et al.Nature 429:375-381(2004).

Images



WB Suggested Anti-GDI2 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:312500
Positive Control: HepG2 cell lysate
GDI2 is strongly supported by BioGPS gene expression data to be expressed in Human HepG2 cells