

GDI2 Antibody
Rabbit Polyclonal Antibody
Catalog # ALS13251**Specification**

GDI2 Antibody - Product Information

Application	WB, IHC
Primary Accession	P50395
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51kDa KDa

GDI2 Antibody - Additional Information**Gene ID** 2665**Other Names**

Rab GDP dissociation inhibitor beta, Rab GDI beta, Guanosine diphosphate dissociation inhibitor 2, GDI-2, GDI2, RABGDIB

Target/Specificity

Human Rho GDI2. Predicted cross-reactivity based on amino acid sequence homology: mouse (90%), rat (89%), bovine (93%).

Reconstitution & Storage

Aliquot and store at -20°C. Minimize freezing and thawing.

Precautions

GDI2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

GDI2 Antibody - 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

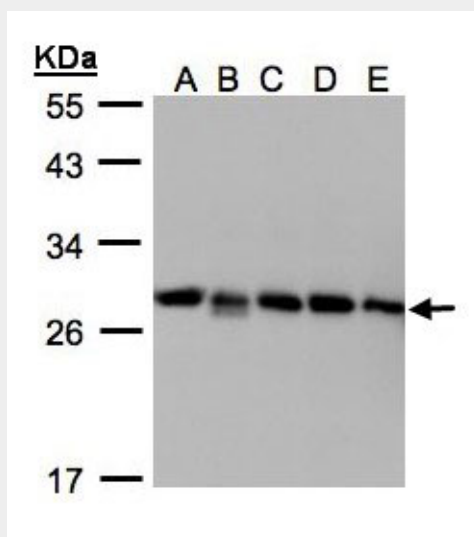
Tissue Location

Ubiquitous..

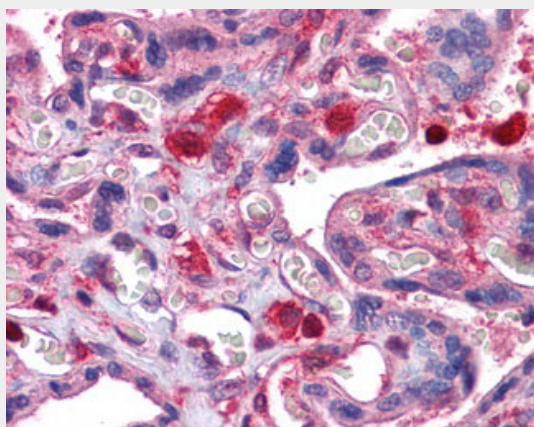
Volume50 μ l**GDI2 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

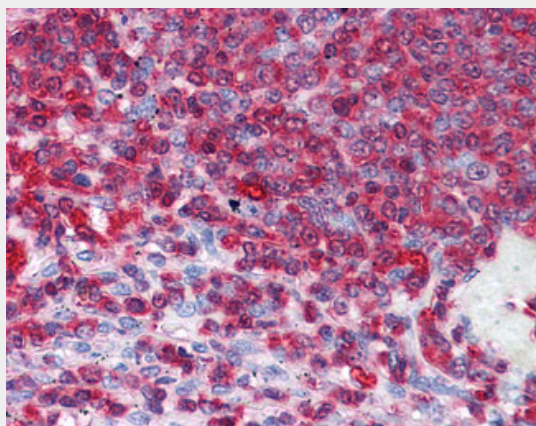
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GDI2 Antibody - Images

Sample(30g whole cell lysate).



Anti-GDI2 antibody IHC of human placenta.



Anti-GDI2 antibody IHC of human spleen.

GDI2 Antibody - 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.

GDI2 Antibody - 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).