

GDI2 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP13787c**Specification****GDI2 Antibody (Center) Blocking peptide -
Product Information**Primary Accession [P50395](#)**GDI2 Antibody (Center) Blocking peptide -
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**The synthetic peptide sequence used to
generate the antibody AP13787c was
selected from the Center region of GDI2. A
10 to 100 fold molar excess to antibody is
recommended. Precise conditions should be
optimized for a particular assay.**Format**Peptides are lyophilized in a solid powder
format. Peptides can be reconstituted in
solution using the appropriate buffer as
needed.**Storage**Maintain refrigerated at 2-8°C for up to 6
months. For long term storage store at
-20°C.**Precautions**This product is for research use only. Not
for use in diagnostic or therapeutic
procedures.**GDI2 Antibody (Center) Blocking peptide -
Protein Information****Name** GDI2**Synonyms** RABGDIB**GDI2 Antibody (Center) Blocking peptide -
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. GDI2 is ubiquitously expressed. The GDI2 gene contains many repetitive elements indicating that it may be prone to inversion/deletion/rearrangements. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

**GDI2 Antibody (Center) Blocking peptide -
References**

Rikova, K., et al. Cell
131(6):1190-1203(2007) Sun, Z.L., et al.
Biochim. Biophys. Acta
1774(6):764-771(2007) Sugiyama, N., et al.
Mol. Cell Proteomics
6(6):1103-1109(2007) Grupe, A., et al. Am. J.
Hum. Genet. 78(1):78-88(2006) Shin, B.K., et al.
J. Biol. Chem. 278(9):7607-7616(2003)

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.

Cellular Location

Cytoplasm. Membrane; Peripheral membrane protein

Tissue Location

Ubiquitous..

GDI2 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)