

DNAXPAb

Hard-to-Find  
Antibody

# GDI1 DNAXPab

Catalog # H00002664-W01P

Size 200 ug

## Specification

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description     | Rabbit polyclonal antibody raised against a full-length human GDI1 DNA using DNAX™ Immune technology.                                                                                                                                                                                                                                                                                                                                                                              |
| Technology              | <a href="#">DNAX™ Immune</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Immunogen               | Full-length human DNA                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Sequence                | MDEEYDVVLGTGLTECILSGIMSVNGKKVLHMDRNPYYGGESSITPLEELYKRFQLLEGPPESM<br>GRGRDWNVDLIPKFLMANGQLVKMLLYTEVTRYLDFKVVVEGSFVYKGGKIYKVPSTETELASNL<br>MGMFEKRRFRKFLVFVANFDENDPKTFEGVDPQTSMRDVYRKFDLGQDVIDFTGHALALYRTD<br>DYLDQPCLETVNRIKLYSESLARYGKSPYLYPLYLGLGELPQGFARLSAIYGGTYMLNKPVDDIIMEN<br>GKVVGKSEGEVARCKQLICDPSYPDRVRKAGQVIRIICILSHPIKNTNDANSCQIIIPQNQVNRKSDI<br>YVCMISYAHNVAQAQGYAIASTTVETTDPEKEVEPALELLEPIDQKFVAISDLYEPIDDGCESQVFC<br>SCSYDATTHFETTCNDIKDIYKRMAGTAFDFENMKRKQNDVFGEAEQ |
| Host                    | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Purification            | Protein A                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Quality Control Testing | Antibody reactive against mammalian transfected lysate.                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Storage Buffer          | In 1x PBS, pH 7.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Storage Instruction     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                                                                                                                           |

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

## Gene Info — GDI1

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">2664</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| GeneBank Accession# | <a href="#">NM_001493.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Protein Accession#  | <a href="#">NP_001484.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Gene Name           | GDI1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Alias          | FLJ41411, GDIL, MRX41, MRX48, OPHN2, RABGD1A, RABGDIA, XAP-4                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Gene Description    | GDP dissociation inhibitor 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Omim ID             | <a href="#">300104</a> <a href="#">309541</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Gene Summary        | 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] |
| Other Designations  | OTTHUMP00000032118 mental retardation, X-linked 41 mental retardation, X-linked 48 rab GDP-dissociation inhibitor, alpha                                                                                                                                                                                                                                                                                                                                                                                                        |