

## GDI-1 Polyclonal Antibody

|                              |   |
|------------------------------|---|
| <b>Catalog No :</b>          | YT5034  |
| <b>Reactivity :</b>          | Human;Mouse;Rat   |
| <b>Applications :</b>        | WB;ELISA  |
| <b>Target :</b>              | GDI-1   |
| <b>Gene Name :</b>           | GDI1  |
| <b>Protein Name :</b>        | Rab GDP dissociation inhibitor alpha  |
| <b>Human Gene Id :</b>       | 2664  |
| <b>Human Swiss Prot No :</b> | P31150  |
| <b>Mouse Gene Id :</b>       | 14567   |
| <b>Mouse Swiss Prot No :</b> | P50396  |
| <b>Rat Gene Id :</b>         | 25183   |
| <b>Rat Swiss Prot No :</b>   | P50398  |
| <b>Immunogen :</b>           | The antiserum was produced against synthesized peptide derived from human GDI-1. AA range:394-443                     |
| <b>Specificity :</b>         | GDI-1 Polyclonal Antibody detects endogenous levels of GDI-1 protein.   |
| <b>Formulation :</b>         | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.   |
| <b>Source :</b>              | Polyclonal, Rabbit,IgG  |
| <b>Dilution :</b>            | WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.  |
| <b>Purification :</b>        | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |

**Concentration :** 1 mg/ml

**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 50kD

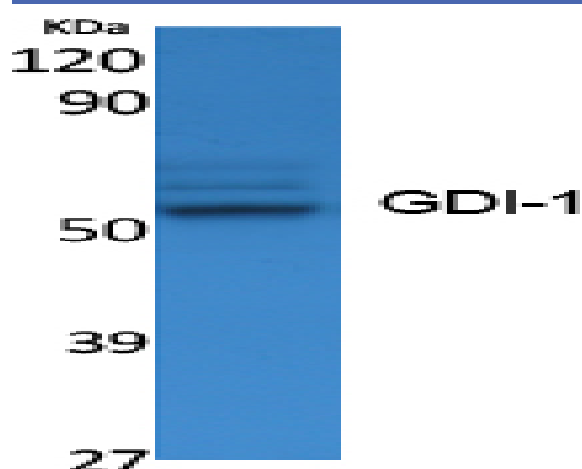
**Background :** GDP dissociation inhibitors are proteins that regulate the GDP-GTP exchange reaction of members of the rab family, small GTP-binding proteins of the ras superfamily, that are involved in vesicular trafficking of molecules between cellular organelles. GDIs slow the rate of dissociation 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],

**Function :** disease:Defects in GDI1 are the cause of mental retardation X-linked type 41 (MRX41) [MIM:300104]. Mental retardation is characterized by significantly sub-average general intellectual functioning associated with impairments in adaptative behavior and manifested during the developmental period. Non-syndromic mental retardation patients do not manifest other clinical signs.,disease:Defects in GDI1 are the cause of mental retardation X-linked type 48 (MRX48) [MIM:300104]; also known as MRX3.,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.,similarity:Belongs to the Rab GDI family.,tissue specificity:Brain; predominant in neural and sensory tissues.,

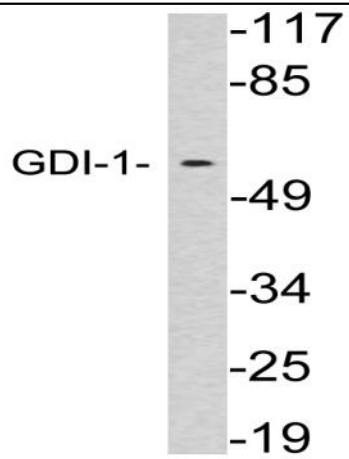
**Subcellular Location :** Cytoplasm . Golgi apparatus, trans-Golgi network .

**Expression :** Brain; predominant in neural and sensory tissues.

## Products Images



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.