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**Product Name: GRP1 Rabbit Polyclonal Antibody****Catalog #: APRab11791**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ELISA
<b>Reactivity</b>	Human,Mouse,Rat,Monkey
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,ELISA 1:5000-1:20000
<b>Molecular Weight</b>	46kDa

**Antigen Information**

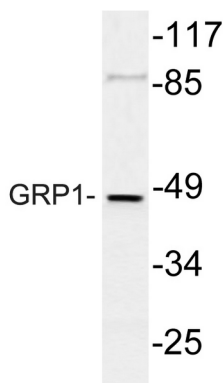
<b>Gene Name</b>	CYTH3 CYTH3; ARNO3; GRP1; PSCD3; Cytohesin-3; ARF nucleotide-binding site opener 3; Protein
<b>Alternative Names</b>	ARNO3; General receptor of phosphoinositides 1; Grp1; PH; SEC7 and coiled-coil domain-containing protein 3
<b>Gene ID</b>	9265.0
<b>SwissProt ID</b>	O43739
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human GRP1. AA range:351-400

## Background

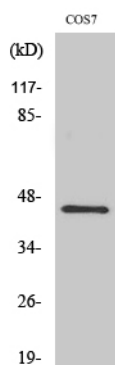
This gene encodes a member of the PSCD (pleckstrin homology, Sec7 and coiled-coil domains) family. PSCD family members have identical structural organization that consists of an N-terminal coiled-coil motif, a central Sec7 domain, and a C-terminal pleckstrin homology (PH) domain. The coiled-coil motif is involved in homodimerization, the Sec7 domain contains guanine-nucleotide exchange protein (GEP) activity, and the PH domain interacts with phospholipids and is responsible for association of PSCDs with membranes. Members of this family appear to mediate the regulation of protein sorting and membrane trafficking. This encoded protein is involved in the control of Golgi structure and function, and it may have a physiological role in regulating ADP-ribosylation factor protein 6 (ARF) functions, in addition to acting on ARF1. [provided by RefSeq, Jul 2008],function:Promotes guanine-nucleotide exchange on ARF1. Promotes the activation of ARF through replacement of GDP with GTP.,similarity:Contains 1 PH domain.,similarity:Contains 1 SEC7 domain.,subunit:Binds via its PH domain to the inositol head group of phosphatidylinositol 3,4,5-triphosphate with high affinity. Interacts with GRASP.,tissue specificity:Almost absent from liver, thymus and peripheral blood lymphocytes.,

## Research Area

## Image Data



Western blot analysis of lysate from COS7 cells, using GRP1 antibody.



Western Blot analysis of various cells using GRP1 Polyclonal Antibody