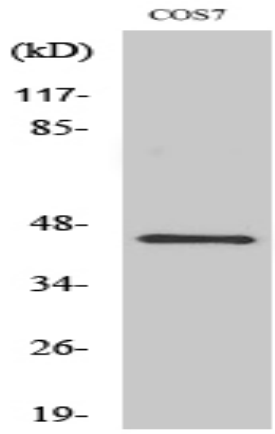
Best Tools for immunology Research

GRP1 Polyclonal Antibody

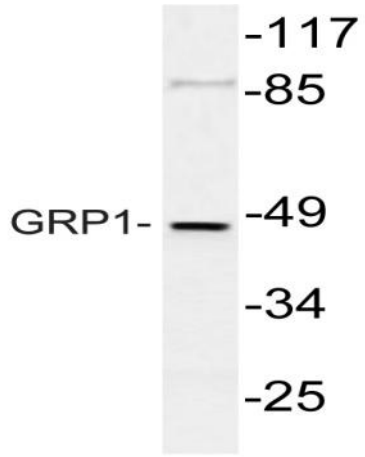
Catalog No :	YT2076
Reactivity :	Human;Mouse;Rat;Monkey
Applications :	WB;ELISA
Target :	GRP1
Fields :	>>Phospholipase D signaling pathway;>>Endocytosis;>>Pathogenic Escherichia coli infection;>>Shigellosis;>>Salmonella infection
Gene Name :	CYTH3
Protein Name :	Cytohesin-3
Human Gene Id :	9265
Human Swiss Prot No :	O43739
Mouse Gene Id :	19159
Mouse Swiss Prot No :	O08967
Rat Swiss Prot No :	P97696
Immunogen :	The antiserum was produced against synthesized peptide derived from human GRP1. AA range:351-400
Specificity :	GRP1 Polyclonal Antibody detects endogenous levels of GRP1 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	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 :	46kD
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 :	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 phosphotidylinositol 3,4,5-triphosphate with high affinity. Interacts with GRASP.,tissue specificity:Almost absent from liver, thymus and peripheral blood lymphocytes.,
Subcellular Location :	Cytoplasm, cytosol. Cell membrane ; Peripheral membrane protein . Cell junction, adherens junction . Cell junction, tight junction . Translocates from the cytosol to membranes enriched in phosphatidylinositol 3,4,5-trisphosphate. .
Expression :	Almost absent from liver, thymus and peripheral blood lymphocytes.
Sort :	7149
No4 :	1

Products Images



Western Blot analysis of various cells using GRP1 Polyclonal Antibody



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