



Human ARHGDIB blocking peptide (CDBP0474)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-ARHGDIB antibody
Antigen Description	Members of the Rho (or ARH) protein family (see MIM 165390) and other Ras-related small GTP-binding proteins (see MIM 179520) are involved in diverse cellular events, including cell signaling, proliferation, cytoskeletal organization, and secretion. The GTP-binding proteins are active only in the GTP-bound state. At least 3 classes of proteins tightly regulate cycling between the GTP-bound and GDP-bound states: GTPase-activating proteins (GAPs), guanine nucleotide-releasing factors (GRFs), and GDP-dissociation inhibitors (GDIs). The GDIs, including ARHGDIB, decrease the rate of GDP dissociation from Ras-like GTPases (summary by Scherle et al., 1993 [PubMed 8356058]).[supplied by OMIM, Dec 2010]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	ARHGDIB Rho GDP dissociation inhibitor (GDI) beta [Homo sapiens (human)]
Official Symbol	ARHGDIB

Synonyms	ARHGDIB; Rho GDP dissociation inhibitor (GDI) beta; D4; GDIA2; GDID4; LYGDI; Ly-GDI; RAP1GN1; RhoGDI2; rho GDP-dissociation inhibitor 2; Rho GDI 2; rho-GDI beta;
Entrez Gene ID	397
mRNA Refseq	NM_001175.5
Protein Refseq	NP_001166.3
UniProt ID	P52566
Chromosome Location	12p12.3
Pathway	Caspase cascade in apoptosis, organism-specific biosystem; FAS pathway and Stress induction of HSP regulation, organism-specific biosystem; G13 Signaling Pathway, organism-specific biosystem; Neurotrophin signaling pathway, organism-specific biosystem; Neurotrophin signaling pathway, conserved biosystem; Regulation of RhoA activity, organism-specific biosystem; Rho GTPase cycle, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by Rho GTPases, organism-spec
Function	GTPase activator activity; Rho GDP-dissociation inhibitor activity;