

Product datasheet for TA336402

D4 (ARHGDI2) Mouse Monoclonal Antibody [Clone ID: 10D774]

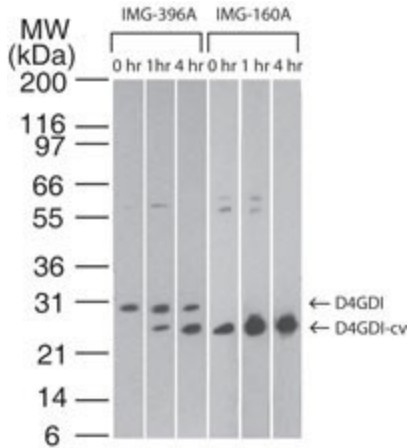
Product data:

Product Type:	Primary Antibodies
Clone Name:	10D774
Applications:	FC, WB
Recommend Dilution:	WB: 1-2 ug/ml
Reactivity:	Human
Host:	Mouse
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	A synthetic peptide corresponding to human D4-GDI/RhoGDI2 was used as the immunogen.
Formulation:	PBS containing 0.05% BSA, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	Please see the vial label for concentration. If unlisted please contact technical services.
Purification:	Protein G purified
Gene Name:	Rho GDP dissociation inhibitor beta
Database Link:	NP_001166 Entrez Gene 397 Human
Background:	D4-GDI (GDP dissociation inhibitor) is a negative regulator of the ras-related Rho family of GTPases. Since the Rho GTPases promote cytoskeletal and membrane changes associated with apoptotic cell death, the removal of the D4-GDI block through its cleavage is important for inducing apoptosis. Caspase-3 cleaves the 28 kD mature form of D4-GDI to give a 23 kD and 5 kD size fragment. The 23 kD fragment then translocates to the nucleus. The mechanisms involving cleavage of D4-GDI with apoptosis are not presently known. Activation of the Jun N-terminal kinase, a regulator of apoptosis, may be one of the mechanisms.
Synonyms:	D4; GDIA2; GDID4; Ly-GDI; LYGDI; RAP1GN1; RhoGDI2
Protein Families:	Druggable Genome
Protein Pathways:	Neurotrophin signaling pathway

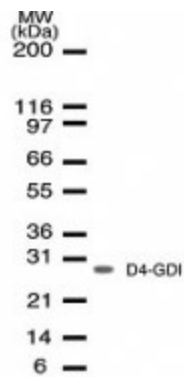


[View online »](#)

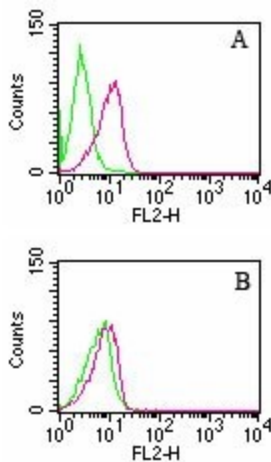
Product images:



Western Blot: D4-GDI/RhoGDI2 Antibody (10D774) TA336402 - Analysis of D4GDI in Jurkat cells using TA336402 at 2 ug/ml and D4-GDI (cleavage specific) at 0.1 ug/ml. Cells were treated with 2 uM staurosporine for different time periods. TA336402 detects bo



Western Blot: D4-GDI/RhoGDI2 Antibody (10D774) TA336402 - Western blot analysis of TA336402 in whole Jurkat cell lysate.



Flow Cytometry: D4-GDI/RhoGDI2 Antibody (10D774) TA336402 - HL60 cells were left untreated (green) or treated with camptothecin to induce apoptosis (red). Cells were analyzed by intracellular flow cytometry using either the NB100-56725 or TA336402 D4-GD