

**ARG65553**  
**anti-GRAP2 / GADS antibody [UW40]**Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [UW40] recognizes GRAP2 / GADS
Tested Reactivity	Hu
Tested Application	FACS, IP, WB
Specificity	The mouse monoclonal antibody UW40 recognizes GRAP2/GADS, a 41 kDa cytoplasmic adaptor protein that plays a pivotal role during the early events of signal transduction in T cells.
Host	Mouse
Clonality	Monoclonal
Clone	UW40
Isotype	IgG2a
Target Name	GRAP2 / GADS
Species	Human
Immunogen	GST-fusion human GRAP2/GADS protein
Conjugation	Un-conjugated
Alternate Names	Adapter protein GRID; Growth factor receptor-binding protein; GRPL; Protein GADS; Hematopoietic cell-associated adapter protein GrpL; Mona; GRB2L; Grf40; Grf-40; GRAP-2; GRB2-related adapter protein 2; P38; SH3-SH2-SH3 adapter Mona; GRID; Grf40 adapter protein; GRBLG; GrbX; GRB-2-like protein; GRBX; GADS

### Application Instructions

Application table	Application	Dilution
	FACS	2 - 6 µg/ml
	IP	Assay-dependent
	WB	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purified from cell culture supernatant by protein-A affinity chromatography.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide

Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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Database links	<a href="#">GeneID: 9402 Human</a> <a href="#">Swiss-port # O75791 Human</a>
Gene Symbol	GRAP2
Gene Full Name	GRB2-related adaptor protein 2
Background	GRAP2/GADS (Grb2-related adaptor protein 2 / Grb2-related adaptor downstream of Shc) is a cytoplasmic adaptor protein containing N- and C-terminal SH3 domains flanking a central SH2 domain and a proline/glutamine-rich region. It is expressed predominantly in lymphoid tissue and hematopoietic cells, particularly in T cells. GRAP2/GADS plays a pivotal role during the early events of T cell signal transduction by recruiting the adaptor protein SLP-76 and its associated molecules, such as Vav, Nck, Itk, and ADAP, to the transmembrane adaptor protein LAT. GRAP2/GADS also binds several other signaling proteins, namely Gab2, HPK1 (hematopoietic progenitor kinase 1), and Cbl. Unlike similar adaptor protein Grb2, GRAP2/GADS shows higher selectivity when binding to the particular phosphorylated tyrosines of LAT adaptor.
Function	Interacts with SLP-76 to regulate NF-AT activation. Binds to tyrosine-phosphorylated shc. [UniProt]
Research Area	Cancer antibody; Signaling Transduction antibody
Calculated Mw	38 kDa