

Product datasheet for **AM26008PU-N**

GRAP2 Mouse Monoclonal Antibody [Clone ID: UW40]

Product data:

Product Type:	Primary Antibodies
Clone Name:	UW40
Applications:	FC, IP, WB
Recommended Dilution:	Flow cytometry: 1 µg/ml. Immunoprecipitation. Western blot.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	GST-fusion human GRAP2/GADS protein
Specificity:	This antibody detects recognizes GRAP2/GADS, a 41 kDa cytoplasmic adaptor protein that plays a pivotal role during the early events of signal transduction in T cells.
Formulation:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4 State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Protein-A affinity chromatography
Conjugation:	Unconjugated
Storage:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	GRB2-related adaptor protein 2
Database Link:	Entrez Gene 9402 Human O75791



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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.
Synonyms:	GADS, GRBLG, GRB2L, Grf-40, GRBX, GRID
Protein Families:	Druggable Genome
Protein Pathways:	T cell receptor signaling pathway