

## Product datasheet for **AP21183PU-M**

### GRAP2 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	<b>Western blot:</b> 1/500 - 1/1000.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of GRAP2 protein. (region surrounding asn158)
Formulation:	Phosphate buffered saline (PBS), pH 7.2 State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography using epitope-specific immunogen (> 95% pure by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 38 kDa
Gene Name:	GRB2-related adaptor protein 2
Database Link:	<a href="#">Entrez Gene 9402 Human O75791</a>



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**Background:**

In general, it exists in association with catalytic domains, as in the nonreceptor protein-tyrosine kinases and phospholipase C- $\gamma$ , within structural proteins, such as spectrin or myosin, and in small adapter proteins, such as Crk and GRB2. SH3 domains are often accompanied by SH2 domains of 100 amino acids that bind to tyrosine-phosphorylated regions of target proteins, frequently linking activated growth factors to putative signal transduction proteins. Deletion or mutation of SH3 domains generally activates the transforming potential of nonreceptor tyrosine kinases, suggesting that SH3 mediates negative regulation of an intrinsic transforming activity. Gads is an adapter proteins that contains both SH2 and SH3 domains. Gads binds to tyrosine-phosphorylated proteins, such as Shc, and functions to couple these proteins to downstream effectors.

**Synonyms:**

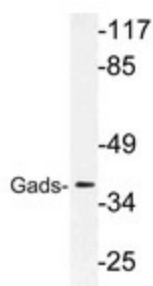
GADS, GRBLG, GRB2L, Grf-40, GRBX, GRID

**Protein Families:**

Druggable Genome

**Protein Pathways:**

T cell receptor signaling pathway

**Product images:**


Western blot (WB) analysis of Gads antibody (Cat.-No.: [AP21183PU-N]) in extracts from HUVEC cells.