

DESCRIPTION

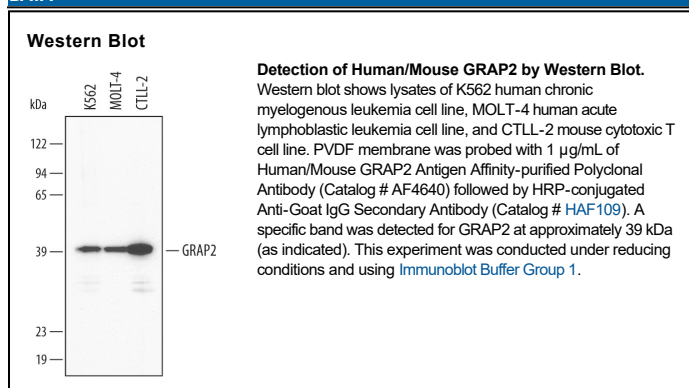
Species Reactivity	Human/Mouse
Specificity	Detects endogenous human and mouse GRAP2 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human GRAP2 Met1-Arg330 Accession # O75791
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

GRAP2 (GRB2 related adaptor protein 2), a divergent member of the GRB2/Sem5/Drk family, is an adaptor protein involved in leukocyte-specific protein-tyrosine kinase signaling. GRAP2 shares similar structural organization as GRB2 and GRAP with a central SH2 domain flanked by 2 SH3 domains. However, unlike GRB2 and GRAP, the SH2 domain and the C-terminal SH3 domain of GRAP2 contains a unique 120 amino acid glutamine/proline rich sequence. In T lymphocytes, GRAP2 interacts with LAT and SLP-76 to regulate NF-AT (nuclear factor of activated T cells) and form a signaling complex with HPK1 to mediate the JNK signaling pathway. GRAP2 also interacts with M-CSFR and the activated T cell co-stimulatory receptor CD28.