

DESCRIPTION

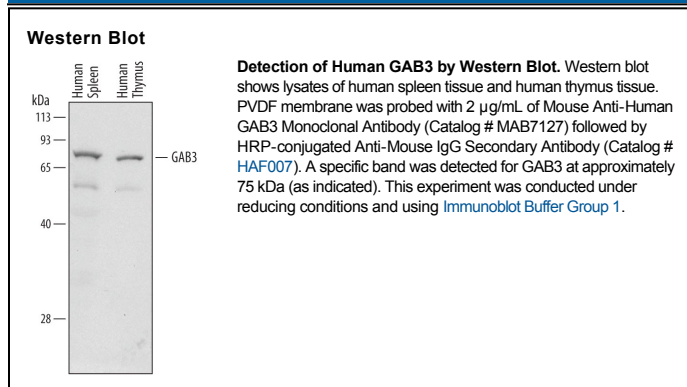
Species Reactivity	Human
Specificity	Detects human GAB-3 in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG ₁ Clone # 720306
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human GAB3 Leu121-Asn263 Accession # Q8WWW8
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied 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	2 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.
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

GAB3 (GRB2-associated-binding protein 3) is a ~75-80 kDa member of the Gab family of scaffolding proteins which show overlapping expression in hematopoietic cells. All contain an N-terminal pleckstrin homology domain and multiple tyrosine phosphorylation and SH2 and SH3 domain binding sites. M-CSF stimulation of myeloid precursors through M-CSF R co-induces GAB3 and the associated adaptor protein GRAP2, and causes macrophage differentiation associated with tyrosine phosphorylation of GAB3. Over amino acids (aa) 121-263, human GAB3 shares 73% aa identity with mouse GAB3. A potential isoform of 548 aa lacks aa 509-548, while another of 488 aa lacks aa 173-356 and diverges at aa 475. A third potential isoform of 206 aa has an alternate start site at aa 380.