

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
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

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.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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.

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