

DESCRIPTION

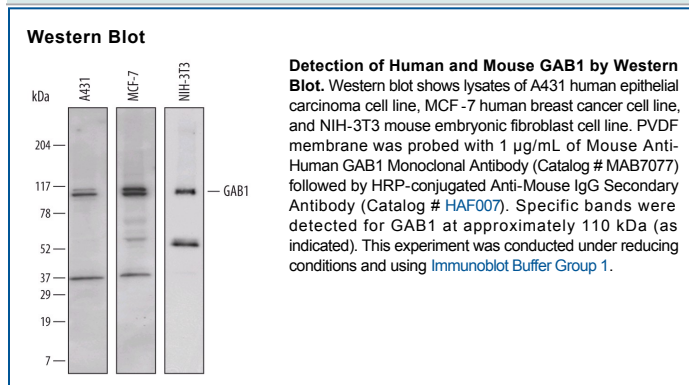
Species Reactivity	Human
Specificity	Detects human GAB1 in direct ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant human GAB2, 3, or 4 is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 709008
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human GAB1 Asn81-Glu283 Accession # Q13480
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.

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	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.
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

Gab1 (GRB2-associated-binding protein 1) is a 110 kDa member of the Gab family of scaffolding proteins. It is widely expressed, including in T and B cells, and serves as an adaptor molecule for the transmission of signals from cytokine and growth factor receptors. Tyrosine phosphorylation of Gab1 by multiple receptor tyrosine kinases, such as HGF R/c-Met, mediates interaction with multiple proteins containing SH2 domains, such as SHP-2. The 695 amino acid (aa) human Gab1 contains one pleckstrin homology domain (aa 5-116) and a proline-rich sequence (aa 449-540). One isoform with insertion of 30 aa after aa 528 is reported. Over aa 81-283, human Gab1 shares 81% and 82% aa identity with mouse and rat Gab1, respectively.