

DESCRIPTION

Species Reactivity	Human
Specificity	Detects endogenous human Gab2 in Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Gab2 Gln82-Phe292 Accession # Q9UQC2
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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

Gab2 (GRB2-associated binding protein 2) is a 95 kDa member of the Gab family of proteins. It is largely expressed in T and B cells, and serves as an adaptor molecule for the transmission of signals from cytokine and growth factor receptors. Bcr-Abl signals through Gab2, and Gab2 activates ERK. Human Gab2 is 676 amino acids (aa) in length, and contains one pleckstrin homology domain (aa 6-117) and one methyl binding domain sequence (aa 454-525). Multiple phosphorylation sites exist, with S159 being an important regulatory site. One alternate start site is reported at M39. Over aa 82-292, human Gab2 is 93% and 98% aa identical to mouse and canine Gab2, respectively.

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