

DESCRIPTION

Species Reactivity	Human
Specificity	Detects endogenous human LARG in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human LARG Ile154-Leu575 Accession # Q9NZN5
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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

LARG (Leukemia-associated RhoGEF, also known as Rho guanine nucleotide exchange factor 12) is a 173 kDa member of the DH-domain containing RhoGEF family of molecules. It is ubiquitously expressed, and known to interact with semaphorin-activated B class plexins, thereby activating Rho-dependent pathways. Human LARG is 1544 amino acids (aa) in length. It contains one PZD domain that binds to plexin (aa 72-151), an RGSL region (aa 368-558), and a RhoGEF domain (aa 788-975). There are at least two potential splice forms. One shows a deletion of aa 48-66 with an 8 aa poly-Lys substitution for the C-terminal 960 amino acids. A second shows an insertion of 9 aa between Thr1093 and Asp1094, accompanied by a 6 aa substitution for the C-terminal 131 amino acids. Over aa 154-575, human LARG is 90% aa identical to mouse LARG.

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