

DESCRIPTION

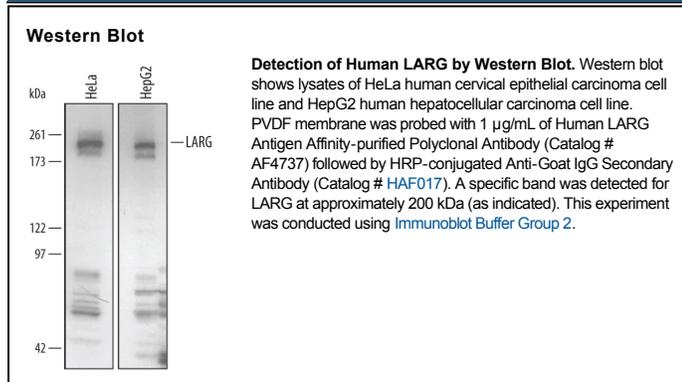
Species Reactivity	Human
Specificity	Detects endogenous human LARG in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human LARG Ile154-Leu575 Accession # Q9NZN5
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS 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	1 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
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

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.