

Rabbit Lfc Polyclonal Antibody | anti-Lfc antibody

Lfc Polyclonal Antibody

CATALOG # AAA295156	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
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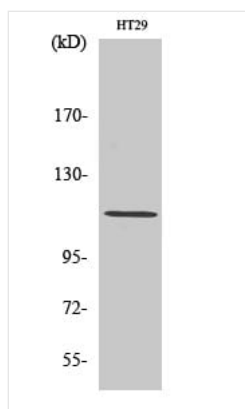
PRODUCT SYNONYMS

Lfc; Polyclonal Antibody; Lfc Polyclonal Antibody; ARHGEF2; KIAA0651; LFP40; Rho guanine nucleotide exchange factor 2; Guanine nucleotide exchange factor H1; GEF-H1; Microtubule-regulated Rho-GEF; Proliferating cell nucleolar antigen p40; anti-Lfc antibody

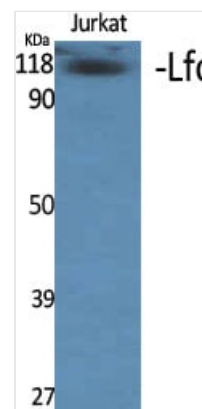
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Applicable Applications for anti-Lfc antibody	WB (Western Blot)
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

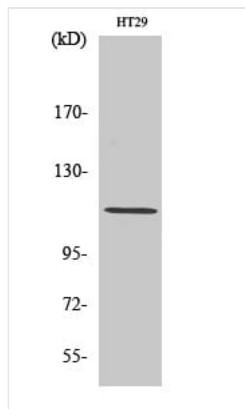
IMAGES


WB (Western Blot)

Dilution: Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.

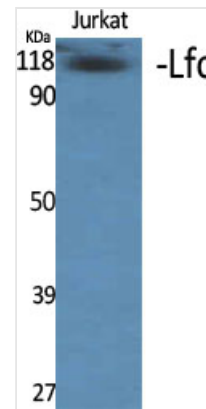

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ADDITIONAL INFORMATION

Related Product Information for anti-Lfc antibody

Activates Rho-GTPases by promoting the exchange of GDP for GTP. May be involved in epithelial barrier permeability, cell motility and polarization, dendritic spine morphology, antigen presentation, leukemic cell differentiation, cell cycle regulation, innate immune response, and cancer. Binds Rac-GTPases, but does not seem to promote nucleotide exchange activity toward Rac-GTPases, which was uniquely reported in PubMed:9857026. May stimulate instead the cortical activity of Rac. Inactive toward CDC42, TC10, or Ras-GTPases. Forms an intracellular sensing system along with NOD1 for the detection of microbial effectors during cell invasion by pathogens. Required for RHOA and RIP2 dependent NF-kappaB signaling pathways activation upon *S.flexneri* cell invasion. Involved not only in sensing peptidoglycan (PGN)-derived muopeptides through NOD1 that is independent of its GEF activity, but also in the activation of NF-kappaB by *Shigella* effector proteins (IpgB2 and OspB) which requires its GEF activity and the activation of RhoA. Involved in innate immune signaling transduction pathway promoting cytokine IL6/interleukin-6 and TNF- alpha secretion in macrophage upon stimulation by bacterial peptidoglycans; acts as a signaling intermediate between NOD2 receptor and RIPK2 kinase. Contributes to the tyrosine phosphorylation of RIPK2 through Src tyrosine kinase leading to NF-kappaB activation by NOD2. Overexpression activates Rho-, but not Rac-GTPases, and increases paracellular permeability (By similarity). Involved in neuronal progenitor cell division and differentiation (PubMed:28453519). Involved in the migration of precerebellar neurons (By similarity).

NCBI AND UNIPROT INFORMATION

NCBI GI #	253735775
NCBI GeneID	9181
NCBI Accession #	NP_001155855.1
NCBI GenBank Nucleotide #	NM_001162383.1
UniProt Accession #	Q92974; O75142; Q15079; Q5VY92; Q8TDA3; Q8WUG4; Q9H023; D3DVA6
Molecular Weight	111,543 Da
NCBI Official Full Name	rho guanine nucleotide exchange factor 2 isoform 1
NCBI Official Synonym Full Names	Rho/Rac guanine nucleotide exchange factor (GEF) 2
NCBI Official Symbol	ARHGEF2
NCBI Official Synonym Symbols	GEF; P40; GEFH1; LFP40; GEF-H1
NCBI Protein Information	rho guanine nucleotide exchange factor 2; microtubule-regulated Rho-GEF; guanine nucleotide exchange factor H1; proliferating cell nucleolar antigen p40; Rho/Rac guanine nucleotide exchange factor 2
UniProt Protein Name	Rho guanine nucleotide exchange factor 2
UniProt Gene Name	ARHGEF2

UniProt Synonym Gene Names	KIAA0651; LFP40; GEF-H1
UniProt Entry Name	ARHG2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/lfc-antibody-western-blot-elisa/295156>