

Anti-C3G antibody



Description	Rabbit polyclonal to C3G.
Model	STJ91934
Host	Rabbit
Reactivity	Human
Applications	ELISA, IHC
Immunogen	Synthesized peptide derived from human C3G around the non-phosphorylation site of Y504.
Immunogen Region	440-520 aa
Gene ID	2889
Gene Symbol	RAPGEF1
Dilution range	IHC 1:100-1:300ELISA 1:5000
Specificity	C3G Polyclonal Antibody detects endogenous levels of C3G protein.
Tissue Specificity	Ubiquitously expressed in adult and fetus. Expression is high in adult skeletal muscle and placenta and in fetal brain and heart. Low levels of expression in adult and fetal liver.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Rap guanine nucleotide exchange factor 1 CRK SH3-binding GNRP Guanine nucleotide-releasing factor 2 Protein C3G

Molecular Weight	120 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:4568OMIM:600303
Alternative Names	Rap guanine nucleotide exchange factor 1 CRK SH3-binding GNRP Guanine nucleotide-releasing factor 2 Protein C3G
Function	Guanine nucleotide-releasing protein that binds to SH3 domain of CRK and GRB2/ASH. Transduces signals from CRK to activate RAS. Plays a role in the establishment of basal endothelial barrier function. Plays a role in nerve growth factor (NGF)-induced sustained activation of Rap1 and neurite outgrowth.
Cellular Localization	Early endosome
Post-translational Modifications	Phosphorylation at Tyr-504 enhances activity as Rap guanine nucleotide exchange factor.

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