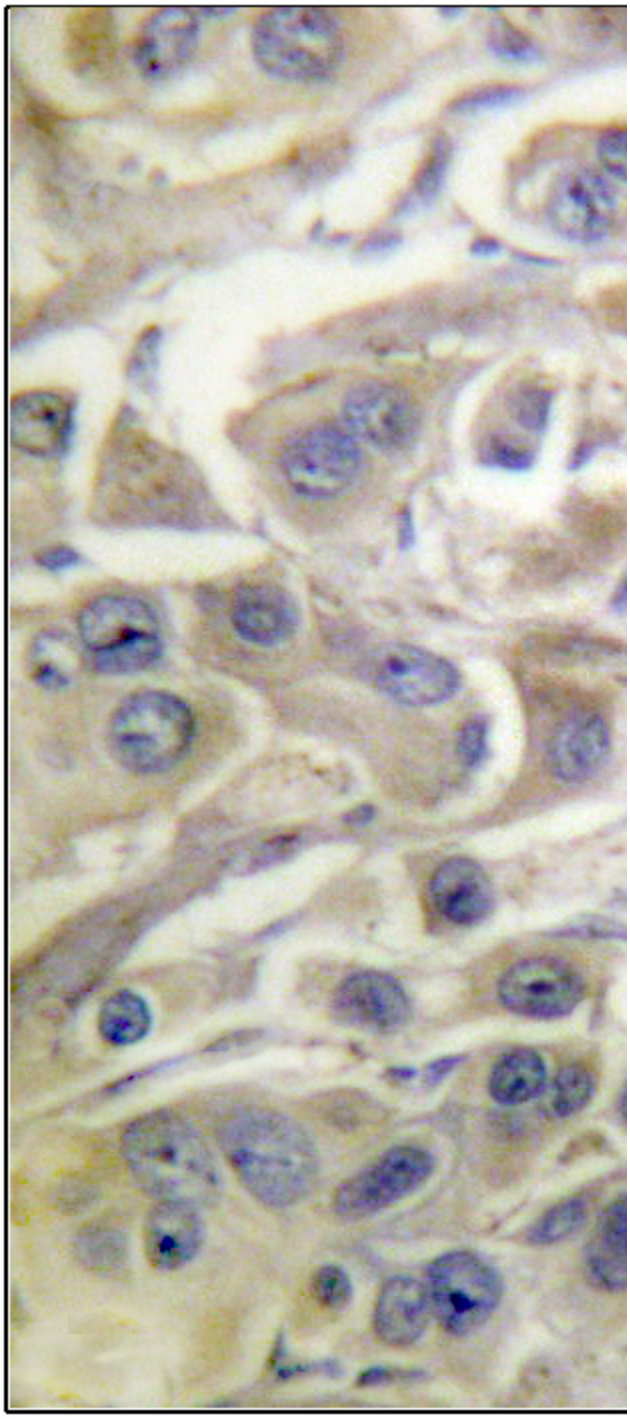
C3G Polyclonal Antibody

Catalog No	BYab-31761
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	IHC;IF;ELISA
Gene Name	RAPGEF1
Protein Name	Rap guanine nucleotide exchange factor 1
Immunogen	The antiserum was produced against synthesized peptide derived from human RAPGEF1. AA range:470-519
Specificity	C3G Polyclonal Antibody detects endogenous levels of C3G protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	IHC: 1/100 - 1/300. ELISA: 1/5000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	RAPGEF1; GRF2; Rap guanine nucleotide exchange factor 1; CRK SH3-binding GNRP; Guanine nucleotide-releasing factor 2; Protein C3G
Observed Band	
Cell Pathway	Early endosome .
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.
Function	function:Guanine nucleotide-releasing protein that binds to SH3 domain of CRK and GRB2/ASH. Transduces signals from CRK to activate RAS.,similarity:Contains 1 N-terminal Ras-GEF domain.,similarity:Contains 1 Ras-GEF domain.,subunit:Interacts with CRK via its SH3-binding sites.,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.,

Background	This gene encodes a human guanine nucleotide exchange factor. It transduces signals from CRK by binding the SH3 domain of CRK, and activating several members of the Ras family of GTPases. This signaling cascade that may be involved in apoptosis, integrin-mediated signal transduction, and cell transformation. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some variants has not been determined. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using RapGEF1 Antibody. The picture on the right is blocked with the synthesized peptide.