

Rabbit CAPG Polyclonal Antibody | anti-CAPG antibody

CAPG Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320724	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

CAPG; Polyclonal Antibody; CAPG Antibody; Actin capping protein GCAP39; anti-CAPG antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CAPG antibody detects endogenous levels of total CAPG.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	348
Applicable Applications for anti-CAPG antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CAPG.
Subcellular Location	Cytoplasm. Nucleus. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.
Tissue Specificity	Macrophages and macrophage-like cells.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA320724 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from Hela whole cell lysate at 30ug, using CAPG Antibody. The lane on the right is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA320724 at 1/100 staining Human spleen tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-CAPG antibody	Function: Calcium-sensitive protein which reversibly blocks the barbed ends of actin filaments but does not sever preformed actin filaments. May play an important role in macrophage function. May play a role in regulating cytoplasmic and/or nuclear structures through potential interactions with actin. May bind DNA. Subunit Structure: Interacts with NUP62 (PubMed:18266911). Interacts with NUTF2 and RAN; involved in CAPG nuclear import (PubMed:18266911). Post-translational Modifications: The N-terminus is blocked. Similarity: Belongs to the villin/gelsolin family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	371502125
NCBI GeneID	822
NCBI Accession #	NP_001243068.1
NCBI GenBank Nucleotide #	NM_001256139.1
UniProt Accession #	P40121; Q53SA7; B8ZZS7; D6W5K8
Molecular Weight	Observed: 39-44 kDa Predicted: 39 kDa
NCBI Official Full Name	macrophage-capping protein isoform 1
NCBI Official Synonym Full Names	capping actin protein, gelsolin like
NCBI Official Symbol	CAPG
NCBI Official Synonym Symbols	MCP; AFCP; HEL-S-66
NCBI Protein Information	macrophage-capping protein
UniProt Protein Name	Macrophage-capping protein
UniProt Gene Name	CAPG
UniProt Synonym Gene Names	AFCP; MCP

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/capg-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/320724>