

Mouse anti-Human CAPG Monoclonal Antibody | anti-CAPG antibody

CAPG antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48231	Mouse	Human	Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

CAPG; Monoclonal Antibody; CAPG antibody; Macrophage-capping protein; MCP; AFCP; Macrophage-capping protein Actin capping protein GCAP39; Actin regulatory protein CAP G; Capping protein (actin filament) gelsolin like; Capping protein gelsolin like; gCap39; Gelsolin like capping protein; Macrophage capping protein; mbh1; Myc basic motif homolog 1.; anti-CAPG antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b, k
Clone Number	AT1D10
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	348
Applicable Applications for anti-CAPG antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human CAPG (1-348aa) purified from E. coli
Clone Note	Anti-human CAPG mAb, clone AT1D10, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human CAPG protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of CAPG in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human CAPG antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human CAPG antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: HeLa cell lysate Lane 2.: NIH3T3 cell lysate Lane 3.: Mouse spleen tissue lysate Lane 4.: THP-1 cell lysate Lane 5.: Raw 264.7 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-CAPG antibody	Macrophage-capping protein, also known as CAPG, belongs to the gelsolin/villin family of actin-regulatory proteins. CAPG is a calcium-sensitive DNA-binding protein that plays a role in macrophage function. It is expressed in macrophages and macrophage-like cells and can localize both to the nucleus and the cytoplasm. This protein reversibly blocks the barbed ends of F-actin filaments in a Ca2+ and phosphoinositide-regulated manner, but does not sever preformed actin filaments.
Product Categories/Family for anti-CAPG antibody	Immunology
References	Kumar A., et al. (2015) Mol Cell Endocrinol. 404: 91-101.; Dabiri G A., et al. (1992) J Biol Chem. 267: 16545-16552.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	12653873
NCBI GeneID	822
Molecular Weight	36,857 Da
NCBI Official Full Name	Capping protein (actin filament), gelsolin-like
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/monoclonal/capg-antibody-clone-at1d10-immunofluorescence-immunocytochemistry-western-blot-elisa/48231>