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CAPG Antibody

Rabbit mAb
Catalog # AP92312

Product Information

Application	WB
Primary Accession	P40121
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	AFCP; Capg; gCap39; HEL S 66; mbh1; MCP;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	38499

Additional Information

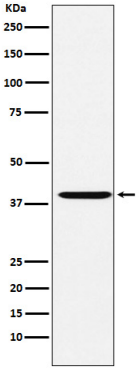
Dilution	WB 1:500~1:2000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human CAPG
Description	Calcium-sensitive protein which reversibly blocks the barbed ends of actin filaments but does not sever preformed actin filaments. May play an important role in macrophage function.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	CAPG
Synonyms	AFCP, MCP
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.
Cellular Location	Nucleus. Cytoplasm Melanosome. Cell projection, lamellipodium {ECO:0000250|UniProtKB:P24452}. Cell projection, ruffle {ECO:0000250|UniProtKB:P24452}. Note=In macrophages, may be predominantly cytoplasmic. Nuclear localization was observed in fibroblasts. In macrophages, present at the membrane-cytoplasm interface. In activated macrophages, concentrated in the ruffles of the leading lamellipodia. {ECO:0000250|UniProtKB:P24452}

Tissue Location	Macrophages and macrophage-like cells.

Images



Western blot analysis of CAPG expression in HeLa cell lysate.