

KD-Validated Anti-CAPG Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1351

Product Information

Application	WB, FC, ICC
Primary Accession	P40121
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	25GB3045
Calculated MW	38499
Gene Name	CAPG
Aliases	CAPG; Capping Actin Protein, Gelsolin Like; MCP; AFCP; Capping Protein (Actin Filament), Gelsolin-Like; Macrophage-Capping Protein; Epididymis Secretory Protein Li 66; Actin-Regulatory Protein CAP-G; Actin Regulatory Protein CAP-G; Gelsolin-Like Capping Protein; Macrophage Capping Protein; HEL-S-66
Immunogen	A synthesized peptide derived from human CAPG

Additional Information

Gene ID	822
Other Names	Macrophage-capping protein, Actin regulatory protein CAP-G, CAPG, AFCP, MCP

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.

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