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CAPG Antibody (aa205-217)
Goat Polyclonal Antibody
Catalog # ALS16315

Specification

CAPG Antibody (aa205-217) - Product Information

Application	**IHC, WB**
Primary Accession	P40121
Reactivity	**Human, Mouse, Rat, Rabbit, Monkey, Pig, Horse, Guinea Pig**
Host	**Goat**
Clonality	**Polyclonal**
Calculated MW	**38kDa KDa**

CAPG Antibody (aa205-217) - Additional Information

Gene ID 822

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

Target/Specificity
Human CAPG / MCP. This antibody is expected to recognize isoform 1 (NP_001738.2) only. Reported variants represent identical protein: NP_001243068.1, NP_001738.2.

Reconstitution & Storage
Store at -20°C. Minimize freezing and thawing.

Precautions
CAPG Antibody (aa205-217) is for research use only and not for use in diagnostic or therapeutic procedures.

CAPG Antibody (aa205-217) - 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.

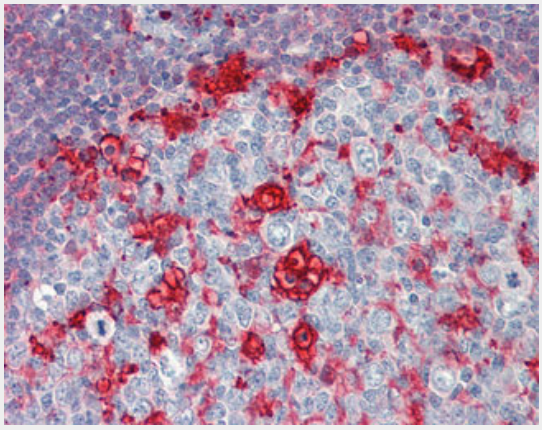
Volume
50 µl

CAPG Antibody (aa205-217) - Protocols

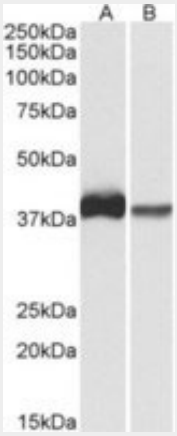
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CAPG Antibody (aa205-217) - Images

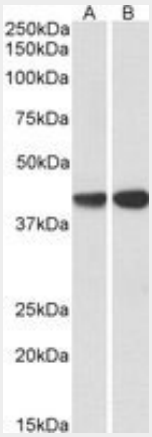


Anti-CAPG / MCP antibody IHC staining of human tonsil.

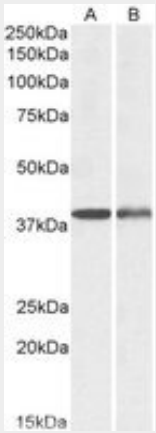


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CAPG Antibody (0.3µg/ml) staining of U937 (A) and Human Spleen (B) lysates (35µg protein in RIPA...



CAPG Antibody (0.3µg/ml) staining of Periheral Blood Lymphocytes (LS-B11275 lane A), (ALS16315...



CAPG Antibody (0.1µg/ml) staining of Mouse (A) and Rat Spleen (B) lysates (35µg protein in RIPA...

CAPG Antibody (aa205-217) - Background

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.

CAPG Antibody (aa205-217) - References

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Suzuki Y.,et al.Submitted (JUL-2006) to the EMBL/GenBank/DDBJ databases.
Hillier L.W.,et al.Nature 434:724-731(2005).
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Mishra V.S.,et al.Genomics 23:560-565(1994).