



# Llama Anti-Human CapG Monoclonal Antibody, clone Oc3 (CABT-Z348L)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	This antibody comes with a COOH-terminal HA epitope tag.
<b>Specificity</b>	The antibody binds to Ca <sup>2+</sup> -activated CapG; no significant binding is observed in the absence of Ca <sup>2+</sup> . It interacts with the first domain in CapG.
<b>Immunogen</b>	Full length recombinant protein of human CapG.
<b>Source/Host</b>	Llama
<b>Species Reactivity</b>	Human
<b>Clone</b>	Oc3
<b>Purification</b>	Purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Pharmacodynamics, IP, WB, ELISA
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	100 µg
<b>Buffer</b>	20 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1mM DTT, 60 % glycerol.
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C upon arrival. For long term storage, aliquot and store at -80°C. Avoid repeated freeze/thaw cycles.

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Ship

Wet ice

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## BACKGROUND

**Introduction**

CapG is a typical F-actin capping protein, ubiquitously expressed, with particularly high expression in macrophages. Similar to gelsolin, it binds not only to G-actin but also to the fast growing barbed end of actin filaments, preventing further growth of the actin filament. The interaction requires calcium and is completely reversible by EGTA. CapG expression has been reported to increase in cancer cells.

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**Keywords**

CAPG;capping protein (actin filament), gelsolin-like;AFCP;macrophage-capping protein;macrophage capping protein;MCP

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## GENE INFORMATION

Gene Name CAPG

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Entrez Gene ID [822](#)

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UniProt ID [B2R9S4](#)

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