



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

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

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.

Keywords

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

GENE INFORMATION

Gene Name

CAPG

Entrez Gene ID

[822](#)

UniProt ID

[B2R9S4](#)
