



Recombinant Llama Anti-Human Gelsolin Monoclonal Antibody, clone Oc22 (CABT-Z354L)

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

PRODUCT INFORMATION

Product Overview	Recombinant Anti-Human Gelsolin Nanobody produced in E. Coli with a COOH-terminal HA epitope tag. Based on recombinant single domain antibody derived from the variable regions of heavy chain of llama.
Specificity	The antibody interacts with G2-G3 domains in gelsolin. It recognizes free gelsolin. It prevents interaction between gelsolin and G-actin. It can import gelsolin into the nucleus and protect FAF gelsolin against degradation by furin.
Immunogen	Full length human recombinant gelsolin.
Isotype	VHH
Source/Host	Llama
Species Reactivity	Human
Clone	Oc22
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.
Ship	Wet ice

BACKGROUND

Introduction Gelsolin is a ubiquitously expressed cytoskeletal protein and textbook example of an F-actin severing protein. It breaks the non-covalent bonds between actin monomers in a filament and remains bound to the fast growing or capping end of a filament. Gelsolin expression has been reported to fluctuate in cancer cells and this has been linked to altered motility and invasive behavior of cancer cells. Variation in plasma gelsolin levels is thought to reflect different disease states.

Keywords GSN;gelsolin;gelsolin (amyloidosis, Finnish type);amyloidosis;Finnish type;DKFZp313L0718

GENE INFORMATION

Gene Name GSN

Entrez Gene ID [2934](#)

UniProt ID [P06396](#)