



# 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

<b>Product Overview</b>	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.
<b>Specificity</b>	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.
<b>Immunogen</b>	Full length human recombinant gelsolin.
<b>Isotype</b>	VHH
<b>Source/Host</b>	Llama
<b>Species Reactivity</b>	Human
<b>Clone</b>	Oc22
<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.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	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.
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<b>Keywords</b>	GSN;gelsolin;gelsolin (amyloidosis, Finnish type);amyloidosis;Finnish type;DKFZp313L0718
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## GENE INFORMATION

<b>Gene Name</b>	GSN
<b>Entrez Gene ID</b>	<a href="#">2934</a>
<b>UniProt ID</b>	<a href="#">P06396</a>