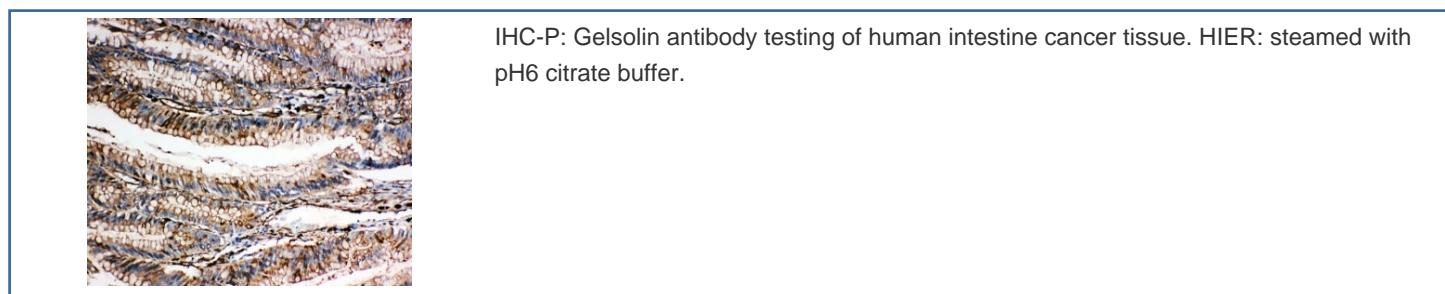
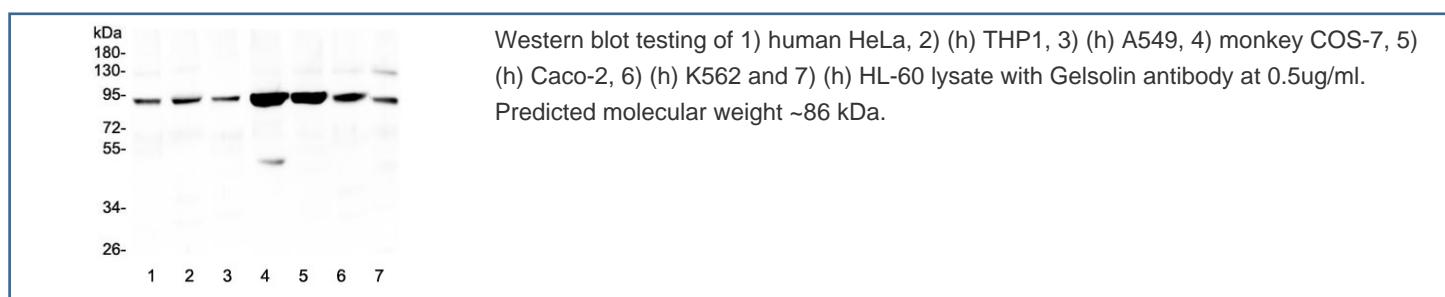


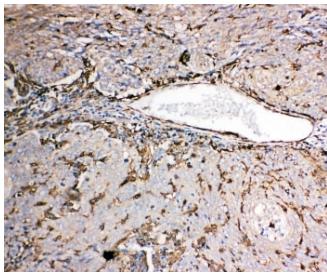
## Gelsolin Antibody (R31221)

Catalog No.	Formulation	Size
R31221	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

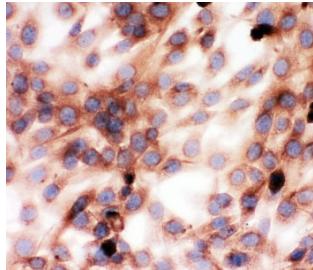
**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
<b>UniProt</b>	P06396
<b>Applications</b>	Western Blot : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml Immunocytochemistry : 0.5-1ug/ml
<b>Limitations</b>	This Gelsolin antibody is available for research use only.

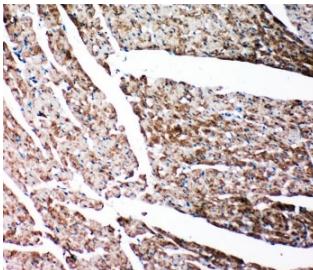




IHC-P: Gelsolin antibody testing of human lung cancer tissue. HIER: steamed with pH6 citrate buffer.



ICC testing of Gelsolin antibody and mouse NIH3T3 cells. HIER: steamed with pH6 citrate buffer.



IHC-P: Gelsolin antibody testing of rat heart tissue. HIER: steamed with pH6 citrate buffer.

## Description

Gelsolin also known as GNS is an actin-binding protein that is a key regulator of actin filament assembly and disassembly. It is one of the most potent members of the actin-severing gelsolin/villin superfamily. The gene was assigned to human chromosome 9q33.2. Gelsolin is also known as brevin, or actin-depolymerizing factor; it is the principal intracellular and extracellular actin-severing protein. Gelsolin and Gc protein together constitute the extracellular actin-scavenger system which prevents the toxic effects of actin release into the extracellular space under circumstances of cell necrosis. It may have therapeutic potential as a mucolytic agent in CF patients. The antiapoptotic activity of Gelsolin seems to prevent a step leading to cytochrome c release from the mitochondria into the cytosol.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Gelsolin antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

Amino acids 763-775 (WDDDYWSVDPLDR-human) were used as the immunogen for this Gelsolin antibody (100% rat homology).

## Storage

After reconstitution, the Gelsolin antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

