

Datasheet for ABIN5013597  
**anti-Gelsolin antibody (AA 434-782)**



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**2** Images

## Overview

|                      |                                                                                                           |
|----------------------|-----------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                    |
| Target:              | Gelsolin (GSN)                                                                                            |
| Binding Specificity: | AA 434-782                                                                                                |
| Reactivity:          | Human                                                                                                     |
| Host:                | Rabbit                                                                                                    |
| Clonality:           | Polyclonal                                                                                                |
| Conjugate:           | This Gelsolin antibody is un-conjugated                                                                   |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP),<br>Immunocytochemistry (ICC) |

## Product Details

|                   |                                                                                                                                                                              |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:          | Polyclonal Antibody to Gelsolin (GSN)                                                                                                                                        |
| Immunogen:        | RPA372Hu04Recombinant Gelsolin (GSN)                                                                                                                                         |
| Isotype:          | IgG                                                                                                                                                                          |
| Specificity:      | The antibody is a rabbit polyclonal antibody raised against GSN. It has been selected for its ability to recognize GSN in immunohistochemical staining and western blotting. |
| Cross-Reactivity: | Mouse, Rat                                                                                                                                                                   |
| Purification:     | Antigen-specific affinity chromatography followed by Protein A affinity chromatography                                                                                       |

## Target Details

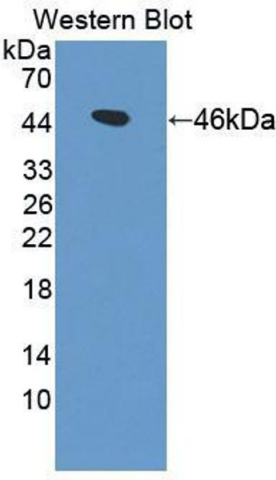
|                   |                                                                                                                                        |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | Gelsolin (GSN)                                                                                                                         |
| Alternative Name: | Gelsolin ( <a href="#">GSN Products</a> )                                                                                              |
| Background:       | GS, AGEL, ADF, Brevin, Gelsolin Amyloidosis, Finnish Type, Actin-depolymerizing factor                                                 |
| Pathways:         | <a href="#">Caspase Cascade in Apoptosis</a> , <a href="#">Regulation of Actin Filament Polymerization</a> , <a href="#">Autophagy</a> |

## Application Details

|                    |                                                                                                                                                                                                                                                                                                                                     |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | Western blotting: 0.2-2 µg/mL, 1:250-2500 Immunohistochemistry: 5-20 µg/mL, 1:25-100<br>Immunocytochemistry: 5-20 µg/mL, 1:25-100 Optimal working dilutions must be determined by end user.                                                                                                                                         |
| Comment:           | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                                                                               |

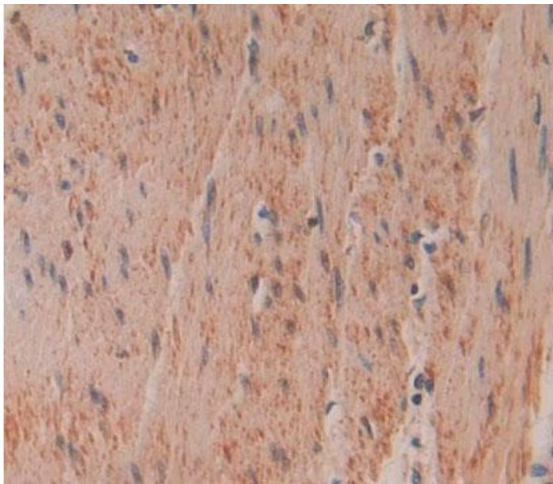
## Handling

|                  |                                                                                                                                                                 |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Format:          | Liquid                                                                                                                                                          |
| Concentration:   | 500 µg/mL                                                                                                                                                       |
| Buffer:          | PBS, pH 7.4, containing 0.01 % SKL, 1 mM DTT, 5 % Trehalose and Proclin300.                                                                                     |
| Preservative:    | Dithiothreitol (DTT), ProClin                                                                                                                                   |
| Storage:         | 4 °C, -20 °C                                                                                                                                                    |
| Storage Comment: | Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles. |



#### Western Blotting

**Image 1.** Figure. Western Blot; Sample: Recombinant protein.



#### Immunohistochemistry

**Image 2.** Used in DAB staining on formalin fixed paraffin-embedded Kidney tissue