

## Rabbit GSS Polyclonal Antibody | anti-GSS antibody

GSS Antibody

|                               |                       |                                        |                                                                  |
|-------------------------------|-----------------------|----------------------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA234569</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot, ELISA</b> |
|-------------------------------|-----------------------|----------------------------------------|------------------------------------------------------------------|

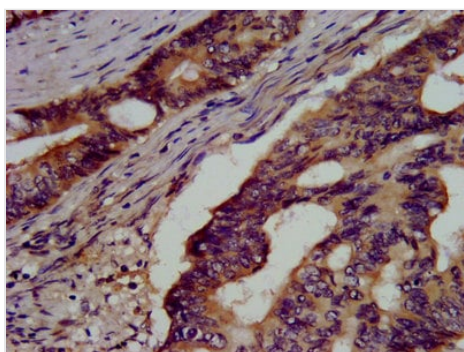
### PRODUCT SYNONYMS

GSS; Polyclonal Antibody; GSS Antibody; Glutathione synthetase; GSH synthetase; GSH-S; Glutathione synthase; anti-GSS antibody

### PRODUCT SPECIFICATIONS

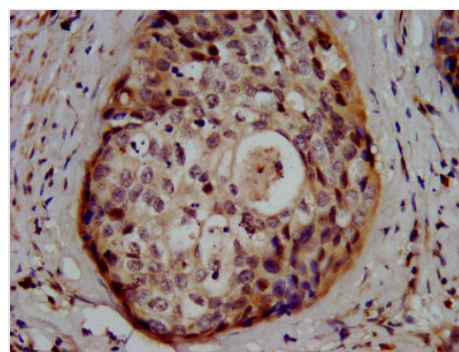
|                                               |                                                                                  |
|-----------------------------------------------|----------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                           |
| Reactivity                                    | Human, Mouse, Rat                                                                |
| Clonality                                     | Polyclonal                                                                       |
| Isotype                                       | IgG                                                                              |
| Purity/Purification                           | >95%, Protein G purified                                                         |
| Form/Format                                   | Liquid                                                                           |
| Sequence Length                               | 474                                                                              |
| Applicable Applications for anti-GSS antibody | IHC (Immunohistochemistry), WB (Western Blot), ELISA                             |
| Immunogen                                     | Recombinant Human Glutathione synthetase protein (290-418AA)                     |
| Conjugation                                   | Non-conjugated                                                                   |
| Buffer                                        | Preservative: 0.03% Proclin 300<br>Constituents: 50% Glycerol, 0.01M PBS, pH 7.4 |
| Preparation and Storage                       | Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.      |

### IMAGES



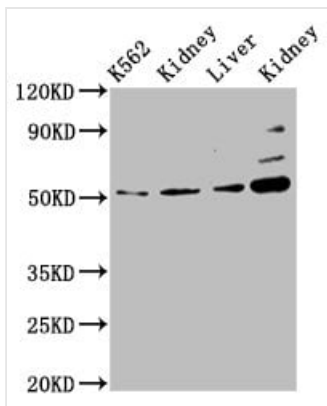
#### IHC (Immunohistochemistry)

IHC image of AAA234569 diluted at 1:500 and staining in paraffin-embedded human colon cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



#### IHC (Immunohistochemistry)

IHC image of AAA234569 diluted at 1:500 and staining in paraffin-embedded human cervical cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



#### WB (Western Blot)

Western Blot Positive WB detected in: K562 whole cell lysate, Rat kidney tissue, Mouse liver tissue, Mouse kidney tissue. All lanes: GSS antibody at 5.1ug/ml. Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 53, 41 KDa. Observed band size: 53 KDa.

### ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                               |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-GSS antibody | cytosol, extracellular exosome, ATP binding, glutathione binding, glutathione synthase activity, identical protein binding, magnesium ion binding, protein homodimerization activity, cellular amino acid metabolic process, glutathione biosynthetic process |
| Product Categories/Family for anti-GSS antibody   | Neuroscience; Cell biology; Metabolism; Signal transduction                                                                                                                                                                                                   |

### NCBI AND UNIPROT INFORMATION

|                                  |                                        |
|----------------------------------|----------------------------------------|
| NCBI GI #                        | 4504169                                |
| NCBI GeneID                      | 2937                                   |
| NCBI Accession #                 | NP_000169.1                            |
| NCBI GenBank Nucleotide #        | NM_000178.3                            |
| UniProt Accession #              | P48637; Q4TTD9; B2R697; B6F210; E1P5P9 |
| Molecular Weight                 | 40,349 Da                              |
| NCBI Official Full Name          | glutathione synthetase                 |
| NCBI Official Synonym Full Names | glutathione synthetase                 |
| NCBI Official Symbol             | GSS                                    |
| NCBI Official Synonym Symbols    | GSHS; HEL-S-64p; HEL-S-88n             |
| NCBI Protein Information         | glutathione synthetase                 |
| UniProt Protein Name             | Glutathione synthetase                 |
| UniProt Gene Name                | GSS                                    |
| UniProt Synonym Gene Names       | GSH synthetase; GSH-S                  |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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 Online datasheet: <https://www.aaabiotech.com/polyclonal/gss-antibody-immunohistochemistry-western-blot-elisa/234569>