

## GLS Polyclonal Antibody

catalog number: E-AB-53314

**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

### Description

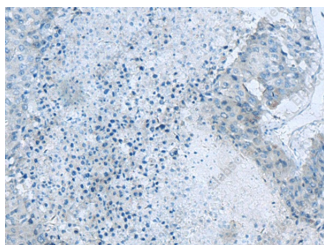
|                     |                                                                                    |
|---------------------|------------------------------------------------------------------------------------|
| <b>Reactivity</b>   | Human;Mouse;Rat                                                                    |
| <b>Immunogen</b>    | Synthetic peptide of human GLS                                                     |
| <b>Host</b>         | Rabbit                                                                             |
| <b>Isotype</b>      | Rabbit IgG                                                                         |
| <b>Purification</b> | Antigen affinity purification                                                      |
| <b>Buffer</b>       | Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol. |

### Applications

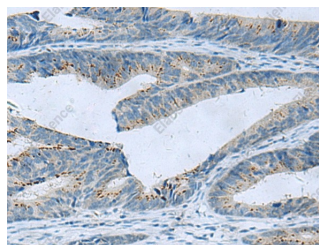
### Recommended Dilution

|     |            |
|-----|------------|
| IHC | 1:50-1:100 |
|-----|------------|

### Data



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using GLS Polyclonal Antibody at dilution of 1:60(×200)



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using GLS Polyclonal Antibody at dilution of 1:60(×200)

### Preparation & Storage

|                 |                                                                                                        |
|-----------------|--------------------------------------------------------------------------------------------------------|
| <b>Storage</b>  | Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.                                        |
| <b>Shipping</b> | The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended. |

### Background

GLS,also named as GLS1 and KIAA0838,belongs to the glutaminase family. It catalyzes the first reaction in the primary pathway for the renal catabolism of glutamine. Glutaminase-,glutamate-,and taurine-immunoreactive neurons develop neurofibrillary tangles in Alzheimer's disease.The glutaminase band in AA/C1 cells is more intense than in HT29 cells,in accordance with measurements of glutaminase activity,and had the same molecular mass of approx. 63 kDa. The bands for both cell lines are clearly different in size from both rat liver glutaminase (58 kDa) and rat kidney glutaminase (65 kDa). It also reveals a molecular weight of 83-84 kDa as a phosphate-dependent glutaminase. It has 3 isoforms named as KGA,GAM,GAC.

### For Research Use Only

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