

## Recombinant Glutaminase C Monoclonal Antibody

catalog number: **AN301062L**

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

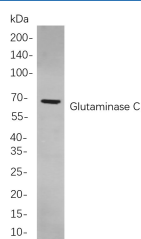
### Description

<b>Reactivity</b>	Human;Mouse;Rat
<b>Immunogen</b>	Recombinant Human Glutaminase C protein
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG, $\kappa$
<b>Clone</b>	B817
<b>Purification</b>	Protein A
<b>Buffer</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

### Applications

Applications	Recommended Dilution
IHC	1:200-1000
WB	1:1000-5000
IF	1:200-1000
ELISA	1:5000-20000
IP	1:50-200

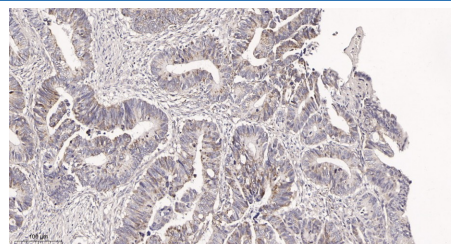
### Data



Western Blot with Recombinant Glutaminase C Monoclonal Antibody at dilution of 1:1000 dilution. Lane A: Hela cells.

**Observed-MW:55-65 kDa**

**Calculated-MW:68 kDa**



Immunohistochemistry of paraffin-embedded human colon carcinoma tissue using Recombinant Glutaminase C Monoclonal Antibody at dilution of 1:200.

### Preparation & Storage

<b>Storage</b>	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
<b>Shipping</b>	Ice bag

### Background

This gene encodes the K-type mitochondrial glutaminase. The encoded protein is an phosphate-activated amidohydrolase that catalyzes the hydrolysis of glutamine to glutamate and ammonia. This protein is primarily expressed in the brain and kidney plays an essential role in generating energy for metabolism, synthesizing the brain neurotransmitter glutamate and maintaining acid-base balance in the kidney. Alternate splicing results in multiple transcript variants.

### For Research Use Only

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