

For Research Use Only

GCLM Recombinant antibody

Catalog Number: 82623-1-RR

Featured Product



Basic Information

Catalog Number:

82623-1-RR

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5497

GenBank Accession Number:

BC041809

GeneID (NCBI):

2730

UNIPROT ID:

P48507

Full Name:

glutamate-cysteine ligase, modifier subunit

Calculated MW:

31 kDa

Observed MW:

31 kDa

Purification Method:

Protein A purification

CloneNo.:

4K16

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:500-1:2000

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells, RAW 264.7 cells, HEK-293 cells, A431 cells, Jurkat cells, K-562 cells, HSC-T6 cells

IHC : mouse brain tissue, human ovarian cancer, human skin cancer tissue

Background Information

GCLM (Glutamate--cysteine ligase regulatory subunit) is also named as GLCLR and belongs to the aldo/keto reductase family. It catalyzes the first step of GSH synthesis and is involved in gamma-glutamyl cycle. GCLM is implicated in some forms of hemolytic anemia.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

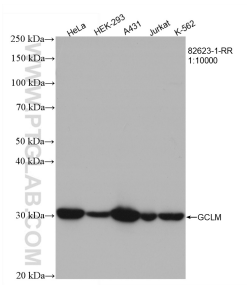
T: 4006900926

E: Proteintech-CN@ptglab.com

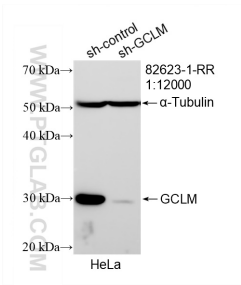
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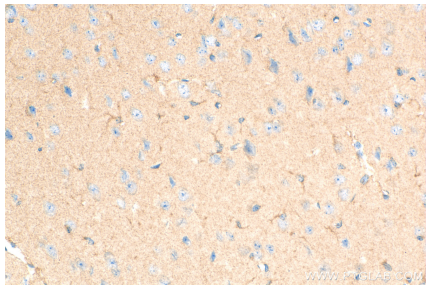
Selected Validation Data



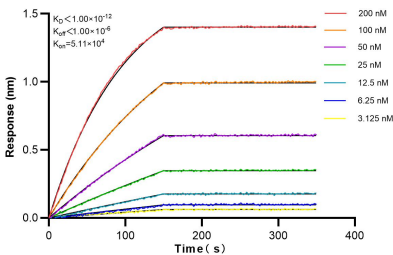
Various lysates were subjected to SDS PAGE followed by western blot with 82623-1-RR (GCLM antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



WB result of GCLM antibody (82623-1-RR; 1:12000; incubated at room temperature for 1.5 hours) with sh-Control and sh-GCLM transfected HeLa cells.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 82623-1-RR (GCLM antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 82623-1-RR against Human GCLM were performed. The affinity constant is below 1 pM.