

For Research Use Only

GSTA4 Recombinant antibody

Catalog Number: 85954-2-RR



Basic Information

Catalog Number:

85954-2-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11028

GenBank Accession Number:

BC015523

GeneID (NCBI):

2941

UNIPROT ID:

O15217

Full Name:

glutathione S-transferase alpha 4

Calculated MW:

222 aa, 27 kDa

Observed MW:

25 kDa

Purification Method:

Protein A purification

CloneNo.:

250352E2

Recommended Dilutions:

WB: 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HeLa cells, HuH-7 cells, HEK-293T cells, fetal human brain tissue

Background Information

GSTA4 (Glutathione S-Transferase Alpha 4) is an enzyme that plays a key role in detoxification and antioxidant defense. Its structure includes a GSH-binding site and a hydrophobic substrate-binding domain, functioning as a dimer. Dysregulation of GSTA4 is linked to diseases like cancer, neurodegeneration, and diabetes.

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

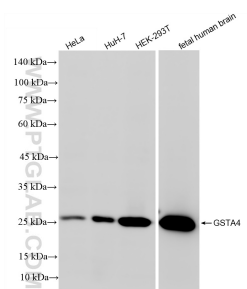
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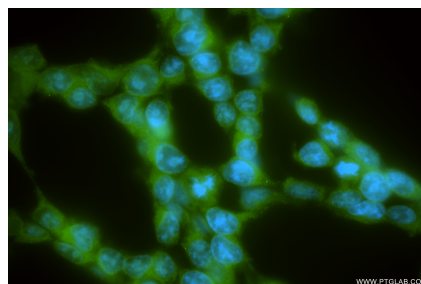
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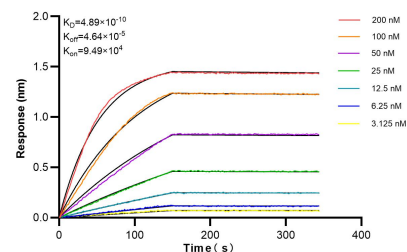
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85954-2-RR (GSTA4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using GSTA4 antibody (85954-2-RR, Clone: 250352E2) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 85954-2-RR against Human GSTA4 were performed. The affinity constant is 0.489 nM.