


Anti-Glutathione Synthetase antibody ab175263

2 Images

Overview

| | |
|----------------------------|--|
| Product name | Anti-Glutathione Synthetase antibody |
| Description | Rabbit polyclonal to Glutathione Synthetase |
| Host species | Rabbit |
| Tested applications | Suitable for: ICC/IF, WB |
| Species reactivity | Reacts with: Human Predicted to work with: Cow, Cynomolgus monkey  |
| Immunogen | Recombinant full length protein corresponding to Human Glutathione Synthetase aa 1-474. Sequence: MATNWGSLLQDKQQLEELARQAVDRALAEGLLRTSQE PTSSEVVSYAPF TLFSLVPSALLEQAYAVQMDFNLLVDAVSQNAAFLEQTL SSTIKQDDFT ARLFDIHKQVLKEGIAQTVFLGLNRSDYMFQRSADGSPAL KQIEINTISA SFGGLASRTPAVHRHVLVLSKTKEAGKILSNNPSKGLAL GIAKAWELYG SPNALVLLIAQEKERNIFDQRAIENELLARNIHVIRRTFEDIS EKGSLDQ DRRLFVDGQEIAVVYFRDGYMPRQYSLQNWEARLLERS HAAKCPDIATQ LAGTKKVQQELSRPGMLEMLLPQGPEAVARLRATFAGLY SLDVGEEDQA IAEALAAPSRFVLKPQREGGNNLYGEEMVQALKQLKDS EERASYLMEK IEPEPFENCLLRPGSPARVVQCISELGIFGVYVRQEKTLMV NKHVGHLLR TKAIEHADGGVAAGVAVLDNPYPV |

Database link: [P48637](#)

 [Run BLAST with](#)

 [Run BLAST with](#)

General notes

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or

contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

| | |
|-----------------------------|---|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. |
| Storage buffer | pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 49% PBS, 50% Glycerol |
| Purity | Protein A purified |
| Clonality | Polyclonal |
| Isotype | IgG |

Applications

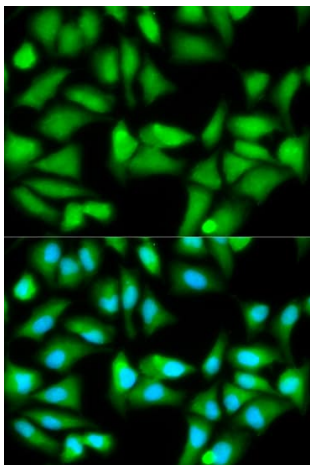
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab175263 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|---|
| ICC/IF | | Use at an assay dependent concentration. |
| WB | | 1/500 - 1/2000. Predicted molecular weight: 52 kDa. |

Target

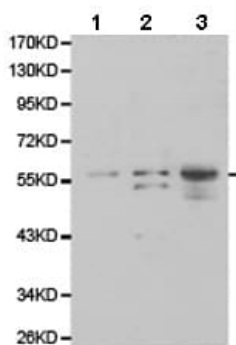
| | |
|-------------------------------|---|
| Pathway | Sulfur metabolism; glutathione biosynthesis; glutathione from L-cysteine and L-glutamate: step 2/2. |
| Involvement in disease | Defects in GSS are the cause of glutathione synthetase deficiency (GSS deficiency) [MIM:266130]; also known as 5-oxoprolinuria or pyroglutamic aciduria. It is a severe form characterized by an increased rate of hemolysis and defective function of the central nervous system. Defects in GSS are the cause of glutathione synthetase deficiency of erythrocytes (GLUSYNDE) [MIM:231900]. Glutathione synthetase deficiency of erythrocytes is a mild form causing hemolytic anemia. |
| Sequence similarities | Belongs to the eukaryotic GSH synthase family. |

Images



Immunocytochemistry/Immunofluorescence analysis of HeLa cells using ab175263. Blue DAPI for nuclear staining.

Immunocytochemistry/ Immunofluorescence - Anti-Glutathione Synthetase antibody (ab175263)



All lanes : Anti-Glutathione Synthetase antibody (ab175263) at 1/500 dilution

Lane 1 : 293T cell line lysate

Lane 2 : HeLa cell line lysate

Lane 3 : HT-1080 cell line lysate

Predicted band size: 52 kDa

Western blot - Anti-Glutathione Synthetase antibody (ab175263)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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