

Product datasheet

Anti-glutathione S transferase Omega 1/p28 antibody ab88604

★★★★★ [1 Abreviews](#) [1 References](#) [6 Images](#)

Overview

Product name	Anti-glutathione S transferase Omega 1/p28 antibody
Description	Mouse polyclonal to glutathione S transferase Omega 1/p28
Host species	Mouse
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant full length protein within Human glutathione S transferase Omega 1/p28. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please contact our Scientific Support team to discuss your requirements. Database link: NP_004823.1
Positive control	WB: lysate from HeLa, PC-12, Jurkat or NIH 3T3 cells. ICC/IF: HeLa cells.
General notes	<p>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.</p> <p>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</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.40 Constituent: 100% PBS
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab88604 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
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 28 kDa.
ICC/IF	★★★★★ (1)	Use a concentration of 10 µg/ml.

Target

Function

Exhibits glutathione-dependent thiol transferase and dehydroascorbate reductase activities. Has S-(phenacyl)glutathione reductase activity. Has also glutathione S-transferase activity. Participates in the biotransformation of inorganic arsenic and reduces monomethylarsonic acid (MMA) and dimethylarsonic acid.

Tissue specificity

Ubiquitous. Highest expression in liver, pancreas, skeletal muscle, spleen, thymus, colon, blood leukocyte and heart. Lowest expression in brain, placenta and lung.

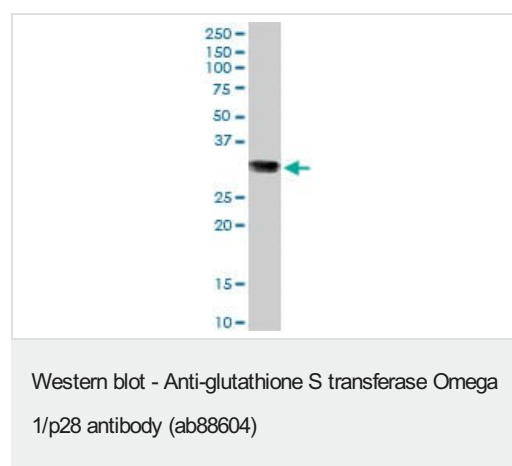
Sequence similarities

Belongs to the GST superfamily. Omega family.
Contains 1 GST C-terminal domain.
Contains 1 GST N-terminal domain.

Cellular localization

Cytoplasm > cytosol.

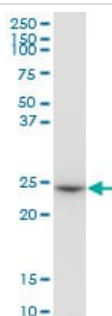
Images



Anti-glutathione S transferase Omega 1/p28 antibody (ab88604) at 1 µg/ml + HeLa cell lysate at 50 µg

Developed using the ECL technique.

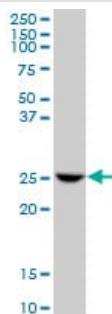
Predicted band size: 28 kDa



Western blot - Anti-glutathione S transferase Omega 1/p28 antibody (ab88604)

Anti-glutathione S transferase Omega 1/p28 antibody (ab88604) at 1 µg/ml + PC-12 cell lysate at 50 µg

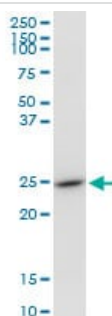
Predicted band size: 28 kDa



Western blot - Anti-glutathione S transferase Omega 1/p28 antibody (ab88604)

Anti-glutathione S transferase Omega 1/p28 antibody (ab88604) at 1 µg/ml + Jurkat cell lysate at 50 µg

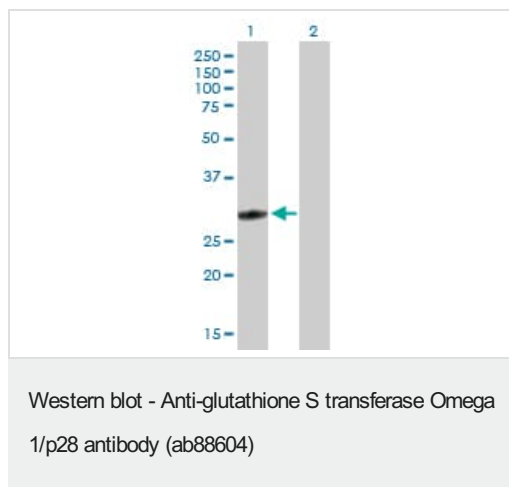
Predicted band size: 28 kDa



Western blot - Anti-glutathione S transferase Omega 1/p28 antibody (ab88604)

Anti-glutathione S transferase Omega 1/p28 antibody (ab88604) at 1 µg/ml + NIH 3T3 cell lysate at 50 µg

Predicted band size: 28 kDa



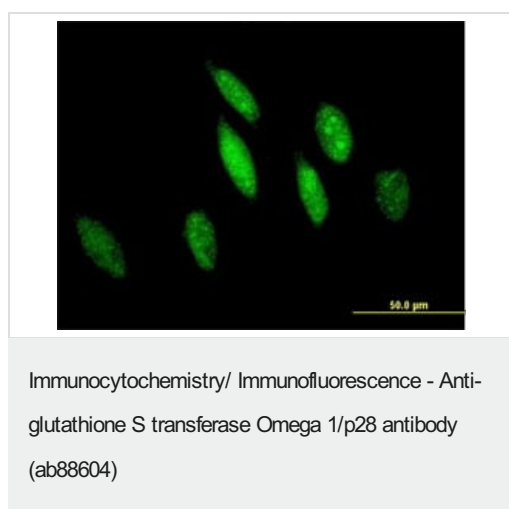
All lanes : Anti-glutathione S transferase Omega 1/p28 antibody (ab88604) at 1 µg/ml

Lane 1 : Glutathione S transferase Omega 1/p28 transfected 293T cell lysate

Lane 2 : Non-transfected 293T cell lysate

Lysates/proteins at 25 µg per lane.

Predicted band size: 28 kDa



ab88604 at 10µg/ml staining glutathione S transferase Omega 1/p28 in HeLa cells by immunofluorescence.

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

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