

Product datasheet

Anti-Glutathione S Transferase mu antibody [EPR1936(2)] ab108524

Recombinant RabMAb

★★★★☆ 3 Abreviews 1 References 4 Images

Overview

Product name	Anti-Glutathione S Transferase mu antibody [EPR1936(2)]
Description	Rabbit monoclonal [EPR1936(2)] to Glutathione S Transferase mu
Host species	Rabbit
Specificity	ab108524 is an Anti-GSTM1 antibody, but it's immunogen shares 85% homology with GSTM5. Cross-reactivity with GSTM5 has not been confirmed experimentally.
Tested applications	Suitable for: WB Unsuitable for: Flow Cyt, ICC/IF or IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide within Human Glutathione S Transferase mu aa 100-200. The exact sequence is proprietary. (Peptide available as ab180487)
Positive control	WB: HeLa, HepG2, SH-SY5Y and NIH/3T3 cell lysates.
General notes	

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#).

We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.


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. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol, 0.05% BSA, 59% PBS
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR1936(2)
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab108524** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

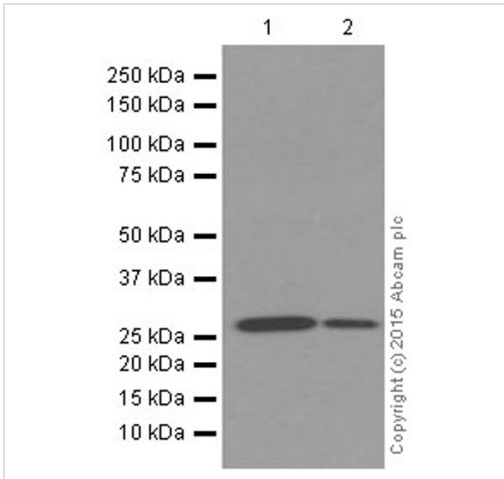
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Predicted molecular weight: 26 kDa.Can be blocked with Glutathione S Transferase mu peptide (ab180487) .

Application notes	Is unsuitable for Flow Cyt,ICC/IF or IP.
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Target

Function	Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles.
Tissue specificity	Liver (at protein level).
Sequence similarities	Belongs to the GST superfamily. Mu family. Contains 1 GST C-terminal domain. Contains 1 GST N-terminal domain.
Cellular localization	Cytoplasm.

Images



Western blot - Anti-Glutathione S Transferase mu antibody [EPR1936(2)] (ab108524)

All lanes : Anti-Glutathione S Transferase mu antibody [EPR1936(2)] (ab108524) at 1/1000 dilution (purified)

Lane 1 : HeLa whole cell lysate

Lane 2 : SH-SY5Y whole cell lysate

Lysates/proteins at 20 µg per lane.

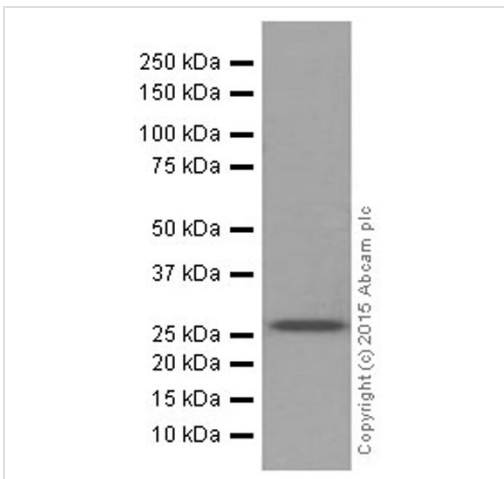
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/50000 dilution

Predicted band size: 26 kDa

Observed band size: 26 kDa

Blocking and dilution buffer: 5% NFDm/TBST



Western blot - Anti-Glutathione S Transferase mu antibody [EPR1936(2)] (ab108524)

Anti-Glutathione S Transferase mu antibody [EPR1936(2)] (ab108524) at 1/10000 dilution (purified) + NIH/3T3 whole cell lysate at 20 µg

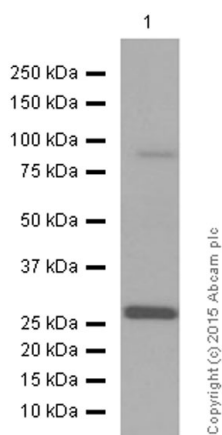
Secondary

Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/50000 dilution

Predicted band size: 26 kDa

Observed band size: 26 kDa

Blocking and dilution buffer: 5% NFDm/TBST



Western blot - Anti-Glutathione S Transferase mu antibody [EPR1936(2)] (ab108524)

Anti-Glutathione S Transferase mu antibody [EPR1936(2)] (ab108524) at 1/10000 dilution (purified) + PC-12 whole cell lysate at 20 µg

Secondary

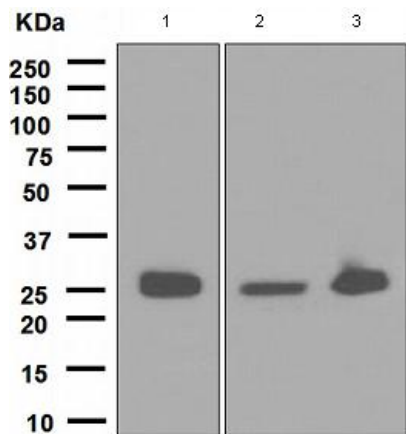
Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/50000 dilution

Predicted band size: 26 kDa

Observed band size: 26 kDa

Exposure time: 30 seconds

Blocking and dilution buffer: 5% NFDm/TBST.



Western blot - Anti-Glutathione S Transferase mu antibody [EPR1936(2)] (ab108524)

All lanes : Anti-Glutathione S Transferase mu antibody [EPR1936(2)] (ab108524) at 1/1000 dilution (unpurified)

Lane 1 : HeLa cell lysate

Lane 2 : HepG2 cell lysate

Lane 3 : SH-SY5Y cell lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 26 kDa

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

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