abcam

Product datasheet

Anti-GSTT2 antibody [EPR8136(2)] - BSA and Azide free ab249912

KO VALIDATED Recombinant RabMAb

2 Images

Overview

Product name	Anti-GSTT2 antibody [EPR8136(2)] - BSA and Azide free
Description	Rabbit monoclonal [EPR8136(2)] to GSTT2 - BSA and Azide free
Host species	Rabbit
Tested applications	**Suitable for:** WB **Unsuitable for:** ICC/IF,IHC-P or IP
Species reactivity	**Reacts with:** Mouse, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Human lung tissue lysate and HeLa cell lysate.
General notes	ab249912 is the carrier-free version of **ab176336**. Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. 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**.

Rat: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Affinity purified
Clonality	Monoclonal
Clone number	EPR8136(2)
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab249912 in the following tested applications.

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

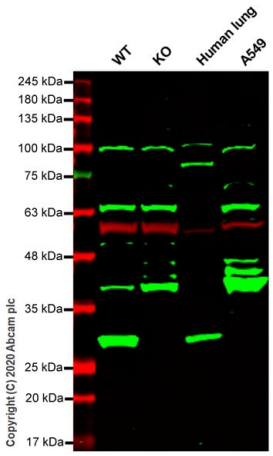
Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 28 kDa.

Application notes Is unsuitable for ICC/IF,IHC-P or IP.

Target

Function	Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. Has a sulfatase activity.
Tissue specificity	Expressed at low levels in liver. In lung, expressed at low levels in ciliated bronchiolar cells, alveolar macrophages and alveolar type II cells.
Sequence similarities	Belongs to the GST superfamily. Theta family. Contains 1 GST C-terminal domain. Contains 1 GST N-terminal domain.
Cellular localization	Cytoplasm.

Images



Western blot - Anti-GSTT2 antibody [EPR8136(2)] - BSA and Azide free (ab249912)

All lanes : Anti-GSTT2 antibody [EPR8136(2)] (**ab176336**) at 1/500 dilution

Lane 1 : Wild-type HeLa cell lysate
Lane 2 : GSTT2B knockout HeLa cell lysate
Lane 3 : Human lung tissue lysate
Lane 4 : A549 cell lysate

Lysates/proteins at 20 µg per lane.

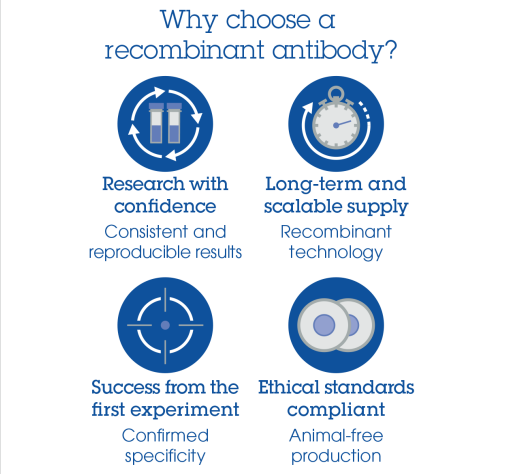
Performed under reducing conditions.

Predicted band size: 28 kDa
Observed band size: 28 kDa

This data was developed using the same antibody clone in a different buffer formulation (**ab176336**).

Lanes 1-4: Merged signal (red and green). Green - **ab176336** observed at 28 kDa. Red - loading control, **ab7291** observed at 50 kDa.

ab176336 Anti-GSTT2 antibody [EPR8136(2)] was shown to specifically react with GSTT2 in wild-type HeLa cells. Loss of signal was observed when knockout cell line **ab264703** (knockout cell lysate **ab258443**) was used. Wild-type and GSTT2 knockout samples were subjected to SDS-PAGE. **ab176336** and Anti-alpha Tubulin antibody [DM1A] - Loading Control (**ab7291**) were incubated overnight at 4°C at 1 in 500 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (**ab216776**) secondary antibodies at 1 in 10000 dilution for 1 hour at room temperature before imaging.



Anti-GSTT2 antibody [EPR8136(2)] - BSA and Azide free (ab249912)

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

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