

Product datasheet

Anti-GSTM3 antibody ab74749

★★★★★ 1 Abreviews 3 References 2 Images

Overview

Product name	Anti-GSTM3 antibody
Description	Rabbit polyclonal to GSTM3
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Rabbit, Horse, Cow, Pig 
Immunogen	Synthetic peptide corresponding to Human GSTM3 aa 96-145 (internal sequence). Sequence: EEKIRVDIIENQVMDFRTRLRLCYSSDHEKLPQYLEEL PGQLKQFSMF Run BLAST with Run BLAST with
Positive control	HepG2 whole cell lysate (ab7900) This antibody gave a positive result when used in the following methanol fixed cell line: HeLa.

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	Preservative: 0.09% Sodium azide Constituents: 2% Sucrose, PBS
Purity	Immunogen affinity purified
Purification notes	ab74749 is purified by peptide affinity chromatography method.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab74749** in the following tested applications.

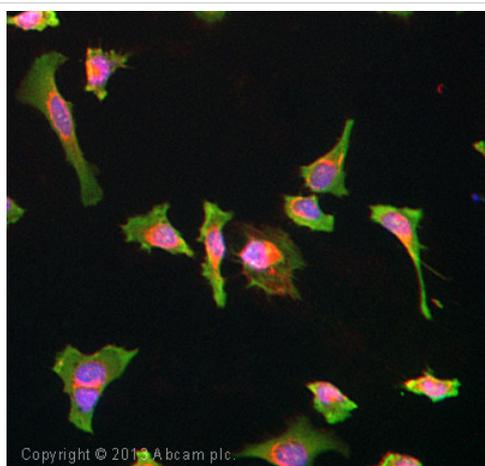
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★	Use a concentration of 1 µg/ml. Predicted molecular weight: 27 kDa. Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.
ICC/IF		Use a concentration of 5 µg/ml.

Target

Function	Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. May govern uptake and detoxification of both endogenous compounds and xenobiotics at the testis and brain blood barriers.
Tissue specificity	Testis and brain.
Sequence similarities	Belongs to the GST superfamily. Mu family. Contains 1 GST C-terminal domain. Contains 1 GST N-terminal domain.
Post-translational modifications	The N-terminus is blocked.
Cellular localization	Cytoplasm.

Images



ICC/IF image of ab74749 stained HeLa cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal goat serum/ 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody ab74749 at 5 µg/mL overnight at +4°C. The secondary antibody (green) was DyLight® 488 Goat anti-Rabbit IgG (H+L) ([ab96899](#)) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

Immunocytochemistry/ Immunofluorescence - Anti-GSTM3 antibody (ab74749)



Western blot - Anti-GSTM3 antibody (ab74749)

Anti-GSTM3 antibody (ab74749) at 1 µg/ml (in 5% skim milk / PBS buffer) + HepG2 cell lysate at 10 µg

Secondary

HRP conjugated anti-Rabbit IgG at 1/50000 dilution

Predicted band size: 27 kDa

Observed band size: 27 kDa

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