


Product datasheet

Anti-Glutathione Peroxidase 2 antibody ab64322

1 Image

Overview

Product name	Anti-Glutathione Peroxidase 2 antibody
Description	Rabbit polyclonal to Glutathione Peroxidase 2
Host species	Rabbit
Specificity	Reacts specifically with human 22 kDa Glutathione Peroxidase 2 protein
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide derived from C terminal domain of human Glutathione Peroxidase 2 protein

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.
Storage buffer	Preservative: None Constituents: Whole serum
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab64322** in the following tested applications.

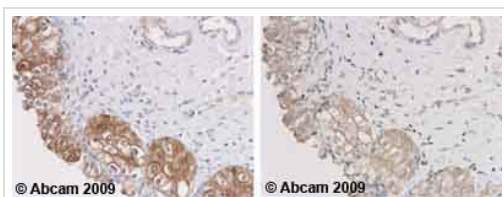
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/250 - 1/5000. Predicted molecular weight: 21 kDa.
IHC-P		1/1000.

Target

Function	Could play a major role in protecting mammals from the toxicity of ingested organic hydroperoxides. Tert-butyl hydroperoxide, cumene hydroperoxide and linoleic acid hydroperoxide but not phosphatidylcholine hydroperoxide, can act as acceptors.
Tissue specificity	Mostly in liver and gastrointestinal tract, not found in heart or kidney.
Sequence similarities	Belongs to the glutathione peroxidase family.
Cellular localization	Cytoplasm. Mainly cytoplasmic.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Glutathione Peroxidase 2 antibody (ab64322)

Ab64322 staining human normal bladder tissue. Staining is localized to cytoplasm.

Left panel: with primary antibody diluted 1:1000. Right panel: isotype control.

Sections were stained using an automated system DAKO Autostainer Plus , at room temperature. Sections were rehydrated and antigen retrieved with the Dako 3-in-1 AR buffer EDTA pH 9.0 in a DAKO PT Link. Slides were peroxidase blocked in 3% H₂O₂ in methanol for 10 minutes. They were then blocked with Dako Protein block for 10 minutes (containing casein 0.25% in PBS) then incubated with primary antibody for 20 minutes and detected with Dako Envision Flex amplification kit for 30 minutes. Colorimetric detection was completed with Diaminobenzidine for 5 minutes. Slides were counterstained with Haematoxylin and coverslipped under DePeX. Please note that for manual staining we recommend to optimize the primary antibody concentration and incubation time (overnight incubation), and amplification may be required.

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