


Product datasheet

# Anti-Glutathione Peroxidase 2 antibody ab64322

1 Image

Overview

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

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
<b>Storage buffer</b>	Preservative: None Constituents: Whole serum
<b>Purity</b>	Whole antiserum
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	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

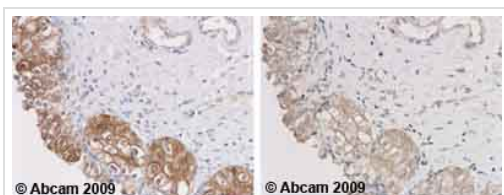
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<b>Function</b>	Could play a major role in protecting mammals from the toxicity of ingested organic hydroperoxides. Tert-butyl hydroperoxide, cumene hydroperoxide and linoleic acid hydroperoxide but not phosphatidylcholine hydroperoxide, can act as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

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## Images

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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% H<sub>2</sub>O<sub>2</sub> 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.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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