Datasheet for ABIN6736393

anti-GSTM1 antibody (AA 31-80)

2 Images

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Overview

Quantity:	100 µL
Target:	GSTM1
Binding Specificity:	AA 31-80
Reactivity:	Human, Mouse, Rat, Dog, Cow, Monkey, Rabbit, Guinea Pig, Horse, Bat, Hamster
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GSTM1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic peptide located between aa31-80 of human GSTM1 (P46439, NP_000552). Percent identity by BLAST analysis: Human, Gorilla, Orangutan, Gibbon, Monkey, Galago, Marmoset, Mouse, Rat, Hamster, Dog, Bovine, Bat, Rabbit, Horse, Opossum, Guinea pig, Lizard, Blood fluke (100%), Chimpanzee, Elephant, Pig, Chicken, Xenopus (92%), Sablefish, Zebrafish, Water flea (85%). Type of Immunogen: Synthetic peptide
Specificity:	Human GSTM1
Predicted Reactivity:	Percent identity by BLAST analysis: Human, Mouse, Rat, Bovine, Guinea pig (100%) Xenopus

Product Details

	(92%).
Purification:	Immunoaffinity purified

Target Details

Target:	GSTM1
Alternative Name:	GSTM1 / mu (GSTM1 Products)
Background:	Name/Gene ID: GSTM1 Synonyms: GSTM1, Glutathione S-aryltransferase, GSTM1-1, GSTM1a-1a, GSTM1b-1b, Glutathione S-alkyltransferase, GTH4, GST class-mu 1, GST1, GTM1, H-B, HB subunit 4, MU-1, Glutathione S-transferase M1, Glutathione S-transferase mu 1, GST HB subunit 4
Gene ID:	2944
NCBI Accession:	NP_000552
UniProt:	P09488
Pathways:	Negative Regulation of Transporter Activity

Application Details

Application Notes:	Approved: IHC, IHC-P (5 µg/mL), WB (0.2 - 1 µg/mL) Usage: Immunohistochemistry: This antibody was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for this antibody was determined to be 5 µg/mL.
Comment:	Target Species of Antibody: Human
Restrictions:	For Research Use only

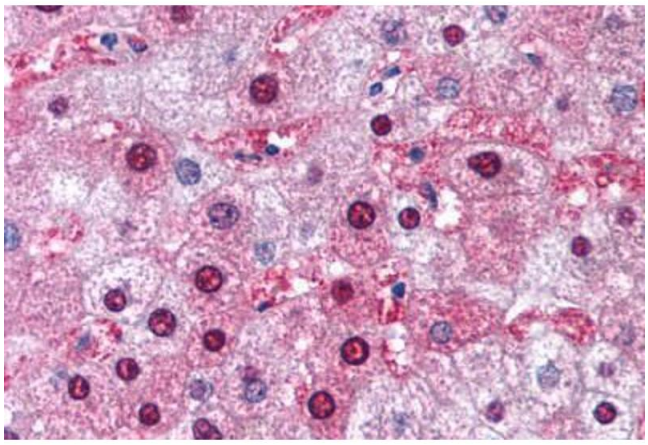
Handling

Format:	Lyophilized
Reconstitution:	Reconstitute with 50 µL sterile ddH2O.

Handling

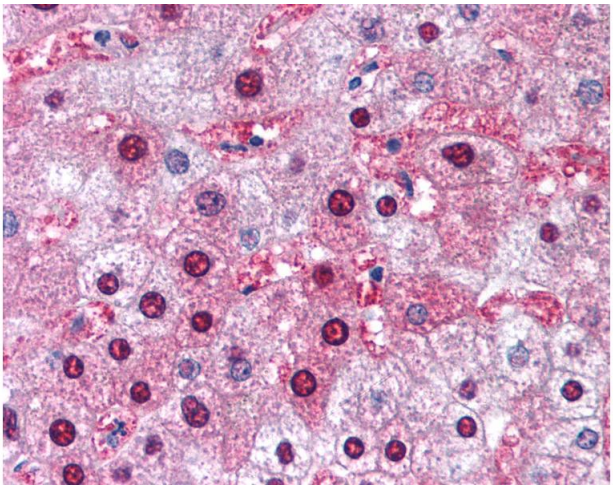
Concentration:	Lot specific
Buffer:	Lyophilized from PBS with 2 % sucrose
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	Long term: -20°C, the use of 50% glycerol is recommended if storing aliquots in -20°C for long term use (up to 1 year) Short term (less than 1 week): 4°C. Avoid freeze-thaw cycles.

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Human Liver (formalin-fixed, paraffin-embedded) stained with GSTM1 antibody ABIN214769 at 5 ug/ml followed by biotinylated goat anti-rabbit IgG secondary antibody ABIN481713, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry

Image 2. Anti-GSTM1 antibody IHC of human liver. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml. This image was taken for the unconjugated form of this product. Other form ...