

Datasheet for ABIN1724656

anti-GSTP1 antibody

6 Images

2 Publications

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Overview

Quantity:	0.1 mg
Target:	GSTP1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GSTP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified recombinant fragment of human GSTP1 expressed in E. coli.
Clone:	3F2C2
Isotype:	IgG1
Purification:	purified

Target Details

Target:	GSTP1
Alternative Name:	GSTP1 (GSTP1 Products)
Background:	Description: GSTP1 (glutathione-S-transferase, pi 1), also called GST3/DFN7, is a family of enzymes that play an important role in detoxification by catalyzing the conjugation of many hydrophobic and electrophilic compounds with reduced glutathione. GSTP1 act like a tumor

Target Details

suppressor gene, which when inactivated leads to tumor growth, and the -class glutathione S-transferase is commonly inactivated by somatic CpG island hypermethylation in cancers of the prostate, liver, and breast. Methylation of regulatory sequences at the GSTP1 gene locus is found in the vast majority (>90 %) of prostate carcinomas and is associated with transcriptional down-regulation.

Aliases: PI, DFN7, GST3, FAEES3

Molecular Weight: 23 kDa

Gene ID: 2950

HGNC: 2950

Pathways: [Cellular Response to Molecule of Bacterial Origin](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:200 - 1:1000, FCM: 1:200 - 1:400

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

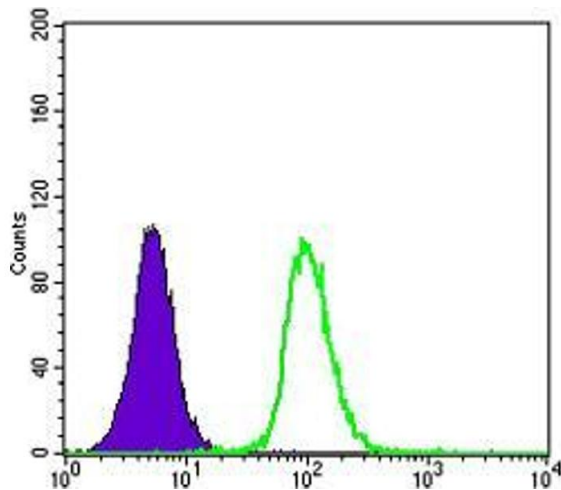
Storage Comment: 4°C, -20°C for long term storage

Publications

Product cited in: Zuhlke, Johnson, Okoth, Stoffel, Robbins, Tembe, Salinas, Zheng, Xu, Carpten, Lange, Isaacs, Cooney: "Identification of a novel NBN truncating mutation in a family with hereditary prostate cancer." in: **Familial cancer**, Vol. 11, Issue 4, pp. 595-600, (2012) ([PubMed](#)).

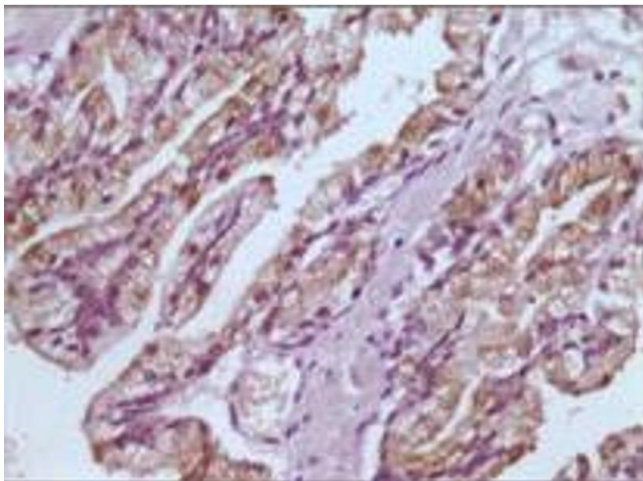
Zheng, Zhang, Jiang, You, Liu, Lu, Zhou: "Functional NBS1 polymorphism is associated with occurrence and advanced disease status of nasopharyngeal carcinoma." in: **Molecular**

Images



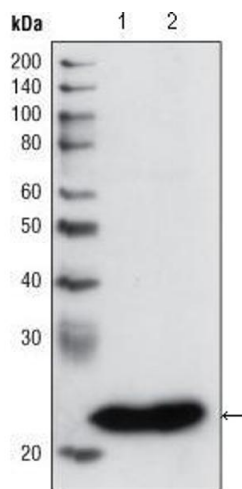
Flow Cytometry

Image 1. Flow cytometric analysis of K562 cells using GSTP1 mouse mAb (green) and negative control (purple).



Immunohistochemistry

Image 2. Immunohistochemical analysis of paraffin-embedded human prostate tissues using GSTP1 mouse mAb with DAB staining.



Western Blotting

Image 3. Western blot analysis using GSTP1 mouse mAb against PC3 cell lysate (1) and human cerebellum tissue lysate (2).

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN1724656.