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Datasheet for ABIN1881393 anti-GSTP1 antibody (AA 97-126)

6 Images

3 Publications



Overview

Quantity:	400 µL
Target:	GSTP1
Binding Specificity:	AA 97-126
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GSTP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Flow Cytometry (FACS)
Product Details	

Immunogen:	This GSTP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 97-126 amino acids from the Central region of human GSTP1.
Clone:	RB20807
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	GSTP1
Alternative Name:	GSTP1 (GSTP1 Products)

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Target Details

Background:	Glutathione S-transferases (GSTs) are a family of enzymes that play an important role in
	detoxification by catalyzing the conjugation of many hydrophobic and electrophilic compounds
	with reduced glutathione. Based on their biochemical, immunologic, and structural properties,
	the soluble GSTs are categorized into 4 main classes: alpha, mu, pi, and theta. This GST family
	member is a polymorphic gene encoding active, functionally different GSTP1 variant proteins
	that are thought to function in xenobiotic metabolism and play a role in susceptibility to cancer,
	and other diseases.
Molecular Weight:	23356
NCBI Accession:	NP_000843
UniProt:	P09211
Pathways:	Cellular Response to Molecule of Bacterial Origin

Application Details

Application Notes:	IF: 1:10~50. IF: 1:10~50. WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50. IHC: 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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
Expiry Date:	6 months

Publications

Product cited in:Mehta, Vazquez, Kulkarni, Kerrigan, Atwal, Metsugi, Toppmeyer, Levine, Hirshfield: "Polymorphic
variants in TSC1 and TSC2 and their association with breast cancer phenotypes." in: Breast
cancer research and treatment, Vol. 125, Issue 3, pp. 861-8, (2011) (PubMed).

Hoogeveen-Westerveld, Exalto, Maat-Kievit, van den Ouweland, Halley, Nellist: "Analysis of TSC1

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Mieulet, Lamb: "Tuberous sclerosis complex: linking cancer to metabolism." in: **Trends in molecular medicine**, Vol. 16, Issue 7, pp. 329-35, (2010) (PubMed).

Guo, Ying, Zhang, Yuan, Qian, Wang, Yang, He: "Tandem affinity purification and identification of the human TSC1 protein complex." in: **Acta biochimica et biophysica Sinica**, Vol. 42, Issue 4, pp. 266-73, (2010) (PubMed).

Liu, Wu, Chen, Ter-Minassian, Asomaning, Zhai, Wang, Su, Heist, Kulke, Lin, Liu, Christiani: "A Large-scale genetic association study of esophageal adenocarcinoma risk." in: **Carcinogenesis**, Vol. 31, Issue 7, pp. 1259-63, (2010) (PubMed).

Images



Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffinembedded Human tonsil section using Pink1 (ABIN1881393 and ABIN2842718). (ABIN1881393 and ABIN2842718) was diluted at 1:2000 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



Immunofluorescence

Image 2. Fluorescent confocal image of A549 cell stained with GSTP1 Antibody (Center) (ABIN1881393 and ABIN2842718). A549 cells were fixed with 4 % PFA (20 min), permeabilized with Triton X-100 (0.1 %, 10 min), then incubated with GSTP1 primary antibody (1:25, 1 h at 37 °C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 °C).Cytoplasmic actin was counterstained with Alexa

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Fluor® 555 (red) conjugated Phalloidin (7 units/mL, 1 h at 37 °C). Nuclei were counterstained with DI (blue) (10 µg/mL, 10 min). GSTP1 immunoreactivity is localized to Cytoplasm and Mitochondria significantly.

Immunofluorescence

Image 3. Fluorescent confocal image of A549 cell stained with GSTP1 Antibody (Center) (ABIN1881393 and ABIN2842718). A549 cells were fixed with 4 % PFA (20 min), permeabilized with Triton X-100 (0.1 %, 10 min), then incubated with GSTP1 primary antibody (1:25, 1 h at 37 °C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 °C).Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7 units/mL, 1 h at 37 °C). Nuclei were counterstained with DI (blue) (10 µg/mL, 10 min). GSTP1 immunoreactivity is localized to Cytoplasm significantly.

Please check the product details page for more images. Overall 6 images are available for ABIN1881393.