

ARG44669 anti-GST3 / GST pi antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes GST3 / GST pi
Tested Reactivity	Hu
Tested Application	IHC-P, IP, WB
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Target Name	GST3 / GST pi
Species	Human
Conjugation	Un-conjugated
Alternate Names	GSTP1; Glutathione S-Transferase Pi 1; FAES3; GSTP; GST3; Glutathione S-Transferase P; GST Class-Pi; EC 2.5.1.18; GSTP1-1; Fatty Acid Ethyl Ester Synthase III; Epididymis Secretory Protein Li 22; Deafness, X-Linked 7; HEL-S-22; DFN7; PI

Application Instructions

Application table	Application	Dilution
	IHC-P	5-10 µg/mL
	IP	10 µg/mL
	WB	1 µg/mL
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

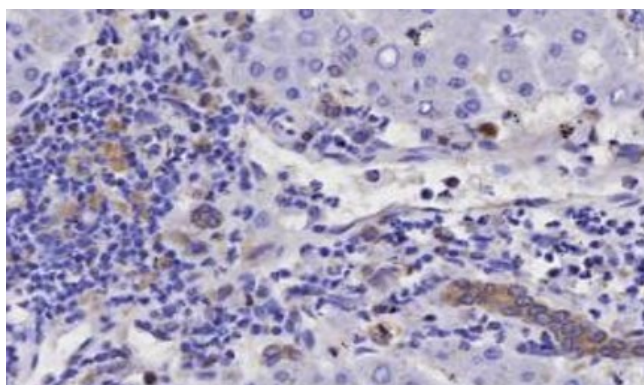
Properties

Form	Liquid
Purification	Protein A purification
Buffer	PBS with 0.09% sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

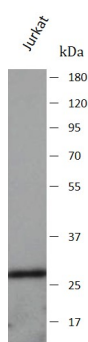
Gene Symbol	GSTP1
Gene Full Name	Glutathione S-Transferase Pi 1
Background	Glutathione S-transferases (GSTs) are a family of enzymes that play an important role in detoxification by catalyzing the conjugation of many hydrophobic and electrophilic compounds with reduced glutathione. Based on their biochemical, 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. [provided by RefSeq, Jul 2008]
Function	Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. Involved in the formation of glutathione conjugates of both prostaglandin A2 (PGA2) and prostaglandin J2 (PGJ2) Negatively regulates CDK5 activity via p25/p35 translocation to prevent neurodegeneration
Calculated Mw	23 kDa
PTM	Acetylation, Phosphoprotein
Cellular Localization	Cytoplasm, Mitochondrion, Nucleus

Images



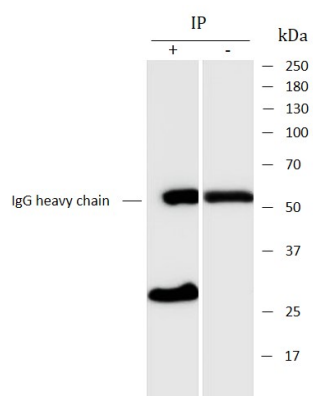
ARG44669 anti-GST3 / GST pi antibody IHC-P image

Immunohistochemistry: Human Liver stained with ARG44669 anti-GST3 / GST pi antibody at 10 µg/mL dilution.



ARG44669 anti-GST3 / GST pi antibody WB image

Western blot: Jurkat stained with ARG44669 anti-GST3 / GST pi antibody at 1 µg/mL dilution.



ARG44669 anti-GST3 / GST pi antibody IP image

Immunoprecipitation: Jurkat lysate immunoprecipitated with 2.5 μ g of ARG44669 anti-GST3 / GST pi antibody.