

ARG40978 anti-GST3 / GST pi antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes GST3 / GST pi
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	GST3 / GST pi
Species	Rat
Immunogen	Recombinant protein corresponding to P2-Q210 of Rat GST3 / GST pi.
Conjugation	Un-conjugated
Alternate Names	DFN7; EC 2.5.1.18; GST3; GSTP; GSTP1-1; HEL-S-22; FAEES3; GST class-pi; PI; Glutathione S-transferase P

Application Instructions

Application table	Application	Dilution
	ICC/IF	5 µg/ml
	IHC-P	0.5-1µg/ml
	WB	0.1-0.5µg/ml
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

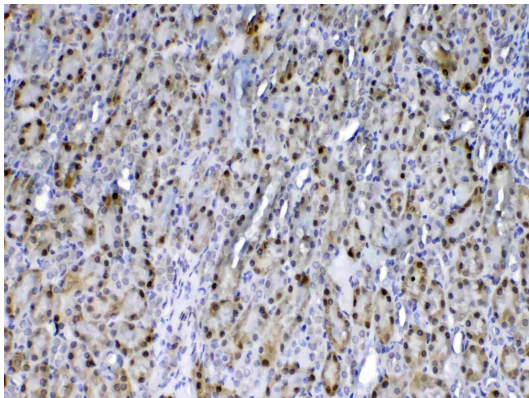
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
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.

Bioinformation

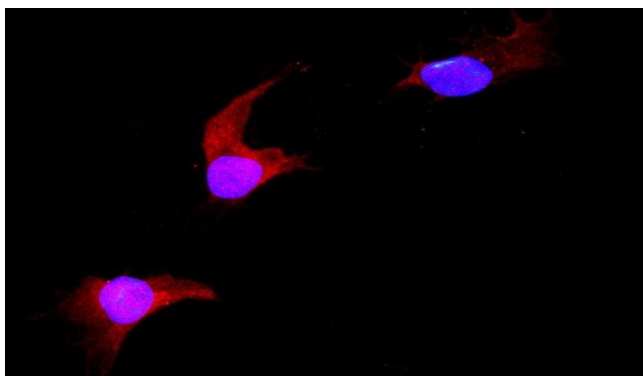
Gene Symbol	GSTP1
Gene Full Name	glutathione S-transferase pi 1
Background	Glutathione S-transferases (GSTs) are a family of enzymes that play an important role in detoxification by catalyzing the conjugation of many hydrophobic and electrophilic compounds with reduced glutathione. Based on their biochemical, 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. Regulates negatively CDK5 activity via p25/p35 translocation to prevent neurodegeneration. [UniProt]
Calculated Mw	23 kDa
Cellular Localization	Cytoplasm. Mitochondrion. Nucleus. Note=The 83 N-terminal amino acids function as an uncleaved transit peptide, and arginine residues within it are crucial for mitochondrial localization. [UniProt]

Images



ARG40978 anti-GST3 / GST pi antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat kidney tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG40978 anti-GST3 / GST pi antibody at 1 µg/ml dilution, overnight at 4°C.

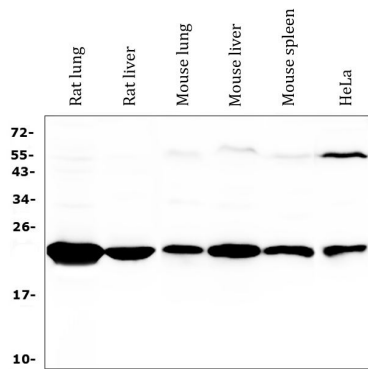


ARG40978 anti-GST3 / GST pi antibody ICC/IF image

Immunofluorescence: NRK stained with ARG40978 anti-GST3 / GST pi antibody at 5 µg/mL dilution.

ARG40978 anti-GST3 / GST pi antibody WB image

Western blot: 50 µg of samples under reducing conditions. Rat lung, Rat liver, Mouse lung, Mouse liver, Mouse spleen and HeLa whole cell lysates stained with ARG40978 anti-GST3 / GST pi antibody at 0.5 µg/ml, overnight at 4°C.



ARG40978 anti-GST3 / GST pi antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat liver tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG40978 anti-GST3 / GST pi antibody at 1 µg/ml dilution, overnight at 4°C.

