

## ARG55327 anti-GST3 / GST pi antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes GST3 / GST pi
Tested Reactivity	Hu, Ms
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	GST3 / GST pi
Species	Human
Immunogen	Recombinant protein of Human GSTP1 (NP_000843.1)
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	1:50 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse liver and U251	

### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
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. 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

Database links	<a href="#">GeneID: 14870 Mouse</a> <a href="#">GeneID: 2950 Human</a> <a href="#">Swiss-port # P09211 Human</a> <a href="#">Swiss-port # P19157 Mouse</a>
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]
Research Area	Cell Biology and Cellular Response antibody; Metabolism antibody; Neuroscience antibody; Signaling Transduction antibody
Calculated Mw	23 kDa

Images



ARG55327 anti-GST3 / GST pi antibody WB image

Western blot: Mouse liver and U251 cell lysates stained with ARG55327 anti-GST3 / GST pi antibody.