

ARG55692 anti-Glutathione Synthetase antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Glutathione Synthetase
Tested Reactivity	Hu, Ms
Predict Reactivity	Bov, Rat, Mk
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Glutathione Synthetase
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 372-400 (C-terminus) of Human Glutathione Synthetase.
Conjugation	Un-conjugated
Alternate Names	Glutathione synthase; GSH synthetase; EC 6.3.2.3; HEL-S-64p; Glutathione synthetase; GSHS; HEL-S-88n; GSH-S

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:25
	IHC-P	1:25
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	MDA-MB-453	

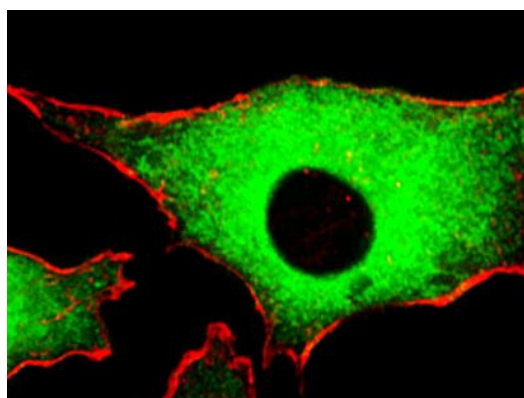
Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) 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.

Bioinformation

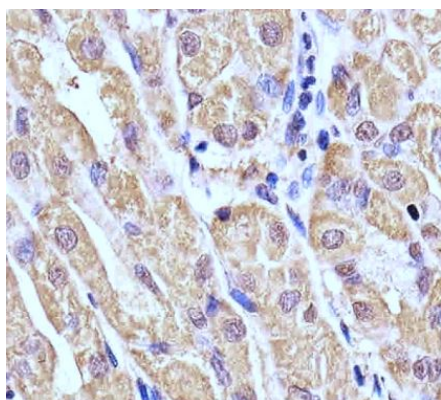
Database links	GeneID: 14854 Mouse
	GeneID: 2937 Human
	Swiss-port # P48637 Human
	Swiss-port # P51855 Mouse
Gene Symbol	GSS
Gene Full Name	glutathione synthetase
Background	Glutathione is important for a variety of biological functions, including protection of cells from oxidative damage by free radicals, detoxification of xenobiotics, and membrane transport. The protein encoded by this gene functions as a homodimer to catalyze the second step of glutathione biosynthesis, which is the ATP-dependent conversion of gamma-L-glutamyl-L-cysteine to glutathione. Defects in this gene are a cause of glutathione synthetase deficiency. [provided by RefSeq, Jul 2008]
Calculated Mw	52 kDa

Images



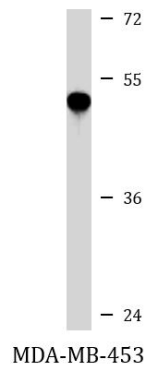
ARG55692 anti-Glutathione Synthetase antibody ICC/IF image

Immunofluorescence: U-87 MG cells stained with ARG55692 anti-Glutathione Synthetase antibody (green) at 1:25 dilution. Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red).



ARG55692 anti-Glutathione Synthetase antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human stomach tissue stained with ARG55692 anti-Glutathione Synthetase antibody at 1:25 dilution.



ARG55692 anti-Glutathione Synthetase antibody WB image

Western blot: 35 µg of MDA-MB-453 cell lysate stained with ARG55692 anti-Glutathione Synthetase antibody.