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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
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Product Number	ARP54624_P050-FITC
Product Page	www.avivasysbio.com/gclm-antibody-middle-region-fitc-arp54624-p050-fitc.html
Name	GCLM Antibody - middle region : FITC (ARP54624_P050-FITC)
Protein Size (# AA)	274 amino acids
Molecular Weight	31kDa
Conjugation	FITC: Fluorescein Isothiocyanate
NCBI Gene Id	2730
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Glutamate-cysteine ligase, modifier subunit
Alias Symbols	GLCLR
Peptide Sequence	Synthetic peptide located within the following region: KPNSNQVNLASCCVMPDPTAFQAKQFDIQLLTHNDPKELSEASFQEQALQ
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Jonsson,L.S., (2008) Int Arch Occup Environ Health 81 (7), 913-919
Description of Target	Glutamate-cysteine ligase, also known as gamma-glutamylcysteine synthetase, is the first rate limiting enzyme of glutathione synthesis. The enzyme consists of two subunits, a heavy catalytic subunit and a light regulatory subunit. Gamma glutamylcysteine synthetase deficiency has been implicated in some forms of hemolytic anemia. Glutamate-cysteine ligase, also known as gamma-glutamylcysteine synthetase, is the first rate limiting enzyme of glutathione synthesis. The enzyme consists of two subunits, a heavy catalytic subunit and a light regulatory subunit. Gamma glutamylcysteine synthetase deficiency has been implicated in some forms of hemolytic anemia. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Protein Interactions	UBC; NAGK; GLRX3; GNAI2; GCLC; STOX1; IRF7; CALM1; SORD; CUL3;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-GCLM (ARP54624_P050-FITC) antibody
Additional Information	IHC Information: Paraffin embedded liver tissue, tested with an antibody dilution of 5 ug/ml.
Blocking Peptide	For anti-GCLM (ARP54624_P050-FITC) antibody is Catalog # AAP54624 (Previous Catalog # AAPP31415)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human GCLM
Uniprot ID	P48507
Protein Name	Glutamate--cysteine ligase regulatory subunit
Publications	Ramani, K., Tomasi, M. L., Yang, H., Ko, K. & Lu, S. C. Mechanism and significance of changes in glutamate-cysteine ligase expression during hepatic fibrogenesis. J. Biol. Chem. 287, 36341-55 (2012). WB, Human, Dog, Pig, Horse, Rabbit, Rat, Guinea pig, Mouse, Bovine, Zebrafish 22942279 Tomasi, M. L. et al. Molecular mechanisms of lipopolysaccharide-mediated inhibition of glutathione synthesis in mice. Free Radic. Biol. Med. 68, 148-58 (2014). ELISA, Human, Dog, Pig, Horse, Rabbit, Rat, Guinea pig, Mouse, Bovine, Zebrafish 24296246
Protein Accession #	NP_002052

Purification	Affinity Purified
Nucleotide Accession #	NM_002061
Gene Symbol	GCLM
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish
Application	IHC, WB
Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 77%
Image 1	

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

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Optimal conditions of its use should be determined by end users.

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