



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP54624_P050-Biotin
Product Page	<a href="http://www.avivasysbio.com/gclm-antibody-middle-region-biotin-arp54624-p050-biotin.html">www.avivasysbio.com/gclm-antibody-middle-region-biotin-arp54624-p050-biotin.html</a>
Name	GCLM Antibody - middle region : Biotin (ARP54624_P050-Biotin)
Protein Size (# AA)	274 amino acids
Molecular Weight	31kDa
Conjugation	Biotin
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: <a href="#">KPNSNQVNLASCCVMPDILTAFQAKQFDIQLLTHNDPKELSEASFQEQALQ</a>
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 <a href="#">anti-GCLM (ARP54624_P050-Biotin) antibody</a>
Additional Information	<b>IHC Information:</b> Paraffin embedded liver tissue, tested with an antibody dilution of 5 ug/ml.
Blocking Peptide	For anti-GCLM (ARP54624_P050-Biotin) antibody is <a href="#">Catalog # AAP54624</a> (Previous Catalog # AAPP31415)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human GCLM
Uniprot ID	<a href="#">P48507</a>
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). <b>WB, Human, Dog, Pig, Horse, Rabbit, Rat, Guinea pig, Mouse, Bovine, Zebrafish</b> <a href="#">22942279</a>  Tomasi, M. L. et al. Molecular mechanisms of lipopolysaccharide-mediated inhibition of glutathione synthesis in mice. Free Radic. Biol. Med. 68, 148-58 (2014). <b>ELISA, Human, Dog, Pig, Horse, Rabbit, Rat, Guinea pig, Mouse, Bovine, Zebrafish</b> <a href="#">24296246</a>
Protein Accession #	<a href="#">NP_002052</a>

<b>Purification</b>	Affinity Purified
<b>Nucleotide Accession #</b>	<a href="#">NM_002061</a>
<b>Gene Symbol</b>	<a href="#">GCLM</a>
<b>Predicted Species Reactivity</b>	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish
<b>Application</b>	IHC, WB
<b>Predicted Homology Based on Immunogen Sequence</b>	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 77%
<b>Image 1</b>	 A schematic diagram of a Y-shaped antibody molecule, consisting of two heavy chains and two light chains, represented by thick black lines.

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