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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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GSTM3 Antibody - middle region : HRP (ARP53561_P050-HRP)

Data Sheet

Product Number	ARP53561_P050-HRP
Product Page	www.avivasysbio.com/gstm3-antibody-middle-region-hrp-arp53561-p050-hrp.html
Name	GSTM3 Antibody - middle region : HRP (ARP53561_P050-HRP)
Protein Size (# AA)	225 amino acids
Molecular Weight	26kDa
Conjugation	HRP: Horseradish Peroxidase
NCBI Gene Id	2947
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Glutathione S-transferase mu 3 (brain)
Alias Symbols	GST5, GSTB, GTM3, GSTM3-3
Peptide Sequence	Synthetic peptide located within the following region: EEKIRVDIIENQVMDFRTQLIRLCYSSDHEKLKPQYLEELPGQLKQFSMF
Product Format	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mm phosphate, 150 mM NaCl, pH 7.6.
Reference	Ikeda,S., (2008) Am. J. Gastroenterol. 103 (6), 1476-1487
Description of Target	Cytosolic and membrane-bound forms of glutathione S-transferase are encoded by two distinct supergene families. At present, eight distinct classes of the soluble cytoplasmic mammalian glutathione S-transferases have been identified: alpha, kappa, mu, omega, pi, sigma, theta and zeta. GSTM3 is a glutathione S-transferase that belongs to the mu class. The mu class of enzymes functions in the detoxification of electrophilic compounds, including carcinogens, therapeutic drugs, environmental toxins and products of oxidative stress, by conjugation with glutathione. The genes encoding the mu class of enzymes are organized in a gene cluster on chromosome 1p13.3 and are known to be highly polymorphic. These genetic variations can change an individual's susceptibility to carcinogens and toxins as well as affect the toxicity and efficacy of certain drugs. Mutations of this class mu gene have been linked with a slight increase in a number of cancers, likely due to exposure with environmental toxins.Cytosolic and membrane-bound forms of glutathione S-transferase are encoded by two distinct supergene families. At present, eight distinct classes of the soluble cytoplasmic mammalian glutathione S-transferases have been identified: alpha, kappa, mu, omega, pi, sigma, theta and zeta. This gene encodes a glutathione S-transferase that belongs to the mu class. The mu class of enzymes functions in the detoxification of electrophilic compounds, including carcinogens, therapeutic drugs, environmental toxins and products of oxidative stress, by conjugation with glutathione. The genes encoding the mu class of enzymes are organized in a gene cluster on chromosome 1p13.3 and are known to be highly polymorphic. These genetic variations can change an individual's susceptibility to carcinogens and toxins as well as affect the toxicity and efficacy of certain drugs. Mutations of this class mu gene have been linked with a slight increase in a number of cancers, likely due to exposure with environmental toxins. 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	GSTM5; GSTM4; GSTM3; GSTM1; UBC; ESR1; BAG3; SUMO2; SH3GL2; UCHL5; GSTM2; MPG;
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-GSTM3 (ARP53561_P050-HRP) antibody
Blocking Peptide	For anti-GSTM3 (ARP53561_P050-HRP) antibody is Catalog # AAP53561 (Previous Catalog # AAPS32801)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human GSTM3
Uniprot ID	P21266
Protein Name	Glutathione S-transferase Mu 3

Protein Accession #	NP_000840
Purification	Affinity Purified
Nucleotide Accession #	NM_000849
Gene Symbol	GSTM3
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Horse, Pig, Rabbit
Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 85%; Dog: 77%; Horse: 85%; Human: 100%; Mouse: 79%; Pig: 92%; Rabbit: 86%; Rat: 79%
Image 1	

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

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