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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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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	ARP57630_P050-Biotin
Product Page	www.avivasysbio.com/gbl-antibody-middle-region-biotin-arp57630-p050-biotin.html
Name	GBL Antibody - middle region : Biotin (ARP57630_P050-Biotin)
Protein Size (# AA)	326 amino acids
Molecular Weight	36kDa
Subunit	LST8
Conjugation	Biotin
NCBI Gene Id	64223
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	MTOR associated protein, LST8 homolog (S. cerevisiae)
Alias Symbols	GBL, LST8, POP3, WAT1, GbetaL
Peptide Sequence	Synthetic peptide located within the following region: CAFSGDSQYIVTASSDNLARLWCVETGEIKREYGGHQKAVVCLAFNDSVL
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Description of Target	GBL is the subunit of both mTORC1 and mTORC2, which regulate cell growth and survival in response to nutrient and hormonal signals. mTORC1 is activated in response to growth factors or amino-acids. Activated mTORC1 up-regulates protein synthesis by phosphorylating key regulators of mRNA translation and ribosome synthesis. mTORC2 seems to function upstream of Rho GTPases to regulate the actin cytoskeleton, probably by activating one or more Rho-type guanine nucleotide exchange factors. mTORC2 promotes the serum-induced formation of stress-fibers or F-actin. mTORC2 plays a critical role in AKT1 'Ser-473' phosphorylation, which may facilitate the phosphorylation of the activation loop of AKT1 on 'Thr-308' by PDK1 which is a prerequisite for full activation. mTORC2 regulates the phosphorylation of SGK1 at 'Ser-422'. mTORC2 also modulates the phosphorylation of PRKCA on 'Ser-657'.
Protein Interactions	MTOR; EIF4EBP1; RPTOR; AKT1S1; PRR5L; FKBP8; SUZ12; PRMT1; STAT1; RICTOR; UBC; ATXN1; A2M; DEPTOR; ULK1; RPS6KB1; SQSTM1; Cul4a; Dtl; PRR5; CCT2; KRT85; RHEB;
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-MLST8 (ARP57630_P050-Biotin) antibody
Blocking Peptide	For anti-MLST8 (ARP57630_P050-Biotin) antibody is Catalog # AAP57630 (Previous Catalog # AAPP42019)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human GBL
Uniprot ID	Q9BVC4
Protein Name	Target of rapamycin complex subunit LST8
Protein Accession #	NP_071767
Purification	Affinity Purified
Nucleotide Accession #	NM_022372
Gene Symbol	MLST8
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Goat, Guinea Pig, Horse, Rabbit, Zebrafish
Application	WB

Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 100%; Goat: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 93%
Image 1	

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

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.
Optimal conditions of its use should be determined by end users.

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