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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP58437_P050-Biotin
Product Page	www.avivasysbio.com/cat-antibody-middle-region-biotin-arp58437-p050-biotin.html
Name	CAT Antibody - middle region : Biotin (ARP58437_P050-Biotin)
Protein Size (# AA)	527 amino acids
Molecular Weight	58kDa
Conjugation	Biotin
NCBI Gene Id	847
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Catalase
Alias Symbols	MGC138422, MGC138424
Peptide Sequence	Synthetic peptide located within the following region: LKDAQIFIQKKAVKNFTEVHPDYGSHIQALLDKYNAEKPKNAIHFTVQSG
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Holt, M., (2006) J. Biol. Chem. 281 (25), 17076-17083
Description of Target	This gene encodes catalase, a key antioxidant enzyme in the body's defense against oxidative stress. Catalase is a heme enzyme that is present in the peroxisome of nearly all aerobic cells. Catalase converts the reactive oxygen species hydrogen peroxide to water and oxygen.
Protein Interactions	UBC; KEAP1; PEX5; EHHADH; CAT; STIM1; HSD17B4; APP; MECP2; SUMO4; USP53; TLR10; PTPN11; ABL2; ABL1;
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-CAT (ARP58437_P050-Biotin) antibody
Blocking Peptide	For anti-CAT (ARP58437_P050-Biotin) antibody is Catalog # AAP58437 (Previous Catalog # AAPP34517)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human CAT
Uniprot ID	P04040
Protein Name	Catalase
Protein Accession #	NP_001743
Purification	Affinity Purified
Nucleotide Accession #	NM_053052
Gene Symbol	CAT
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Goat, Guinea Pig, Horse, Pig, Rabbit, Sheep
Application	IHC, WB
Predicted Homology Based on Immunogen Sequence	Cow: 93%; Dog: 100%; Goat: 93%; Guinea Pig: 86%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; Rat: 93%; Sheep: 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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