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GOAT ANTI-ATP5A1 ANTIBODY

SKU: EB12389

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SPECIFICATIONS

Formulation	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Unit Size	100 µg
Storage Instructions	Aliquot and store at -20°C. Minimize freezing and thawing.
Synonym / Alias Names	ATP synthase, H+ transportin|ATP synthase subunit alpha, mitochondrial|ATP synthase alpha chain, mitochondrial|hATP1|ORM|OMR|MOM2|ATPM|ATP5AL2|ATP5A|ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit 1, cardiac muscle|ATP5A1
Usage Summary	Additional validation: This antibody has been successfully used in the following paper: Sikorski et al. (2018) PMID: 30377371.
Accession ID	NP_004037.1; NP_001244263.1; NP_001001935.1
Blocking Peptide	EBP12389
Immunogen	Peptide with sequence C-RVHGLRNVQAEE, from the internal region (near N terminus) of the protein sequence according to NP_004037.1; NP_001244263.1; NP_001001935.1.
Product Comments	This antibody is expected to recognize all reported isoforms (NP_004037.1; NP_001244263.1; NP_001001935.1). Reported variants represent identical protein: NP_001244264.1, NP_001001935.1. Reported variants represent identical protein: NP_004037.1, NP_001001937.1 .
Peptide Sequence	C-RVHGLRNVQAEE
Purification Method	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Shipping Instructions	Refrigerated
Predicted Species	Human, Mouse, Rat, Dog, Pig, Cow
Reactive Species	Human, Mouse, Rat, Pig
Human Gene ID	498
Mouse Gene ID	11946
Rat Gene ID	65262
Product Grade	https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_medium.png
ELISA Detection Limit	Antibody detection limit dilution 1:128000.
Western Blot	Approx 55kDa band observed in Human, Mouse, Rat and Pig Heart lysates (calculated MW of 54.5kDa according to NP_001001935.1). Recommended concentration: 0.01-0.03µg/ml.
Application Type	Pep-ELISA, WB

SELECTED REFERENCES

[{"pmid": 30377371, "intro": "**This antibody has been successfully used in the following paper:**", "title": "A high-throughput pipeline for validation of antibodies", "author": "Krzysztof Sikorski, Adi Mehta, Marit Inngjerdingen, Flourina Thakor, Simon Kling, Tomas Kalina, Tuula A. Nyman, Maria Ekman Stensland, Wei Zhou, Gustavo A. De Souza, Lars Holden, Jan Stuchly, Markus Templin and Fridtjof Lund-Johansen", "journal": "Nat Methods. 2018 Nov;15(11):909-912"}]

DOCUMENTS

- Data Sheet

GALLERY IMAGES

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