

APIP Antibody
Rabbit Polyclonal Antibody
Catalog # ALS15705**Specification**

APIP Antibody - Product Information

Application	IHC, WB
Primary Accession	O96GX9
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27kDa KDa

APIP Antibody - Additional Information**Gene ID** 51074**Other Names**

Methylthioribulose-1-phosphate dehydratase {ECO:0000255|HAMAP-Rule:MF_03116}, MTRu-1-P dehydratase {ECO:0000255|HAMAP-Rule:MF_03116}, 4.2.1.109 {ECO:0000255|HAMAP-Rule:MF_03116}, APAF1-interacting protein {ECO:0000255|HAMAP-Rule:MF_03116}, hAPIP, APIP {ECO:0000255|HAMAP-Rule:MF_03116}

Target/Specificity

Human APIP

Reconstitution & Storage

Aliquot and store at -20°C. Minimize freezing and thawing.

Precautions

APIP Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

APIP Antibody - Protein Information**Name** APIP {ECO:0000255|HAMAP-Rule:MF_03116}**Function**

Catalyzes the dehydration of methylthioribulose-1-phosphate (MTRu-1-P) into 2,3-diketo-5-methylthiopentyl-1-phosphate (DK-MTP-1-P). Functions in the methionine salvage pathway, which plays a key role in cancer, apoptosis, microbial proliferation and inflammation. May inhibit the CASP1-related inflammatory response (pyroptosis), the CASP9-dependent apoptotic pathway and the cytochrome c-dependent and APAF1-mediated cell death.

Cellular Location

Cytoplasm {ECO:0000255|HAMAP-Rule:MF_03116, ECO:0000269|PubMed:15262985, ECO:0000269|PubMed:23285211}

Tissue Location

Isoform 1 is ubiquitously expressed. Isoform 2 is expressed at lower levels and detected in heart, brain, pancreas, liver, placenta, skeletal muscle and kidney

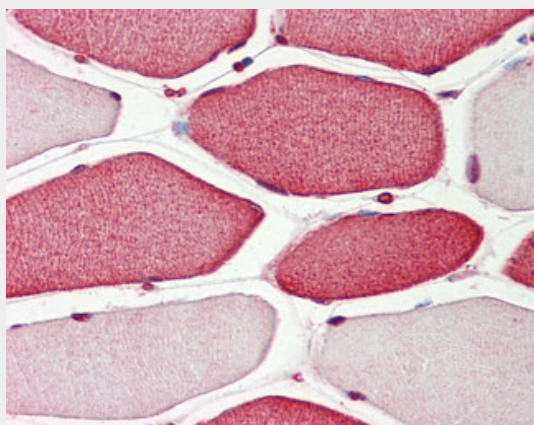
Volume

50 μ l

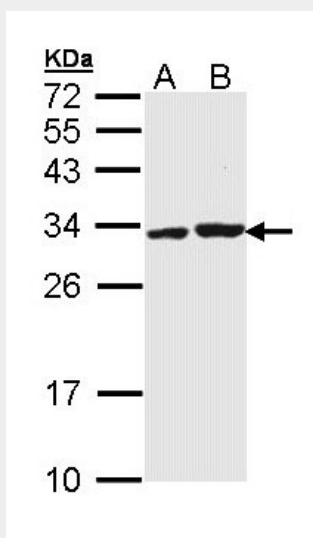
APIP Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

APIP Antibody - Images

Anti-APIP antibody IHC staining of human skeletal muscle.



Sample (30 ug of whole cell lysate).

APIP Antibody - Background

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APIP Antibody - References

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Taylor T.D.,et al.Nature 440:497-500(2006).
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