

APIP antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI14005**Specification**

APIP antibody - middle region - Product Information

Application	WB
Primary Accession	O96GX9
Other Accession	NM_015957 , NP_057041
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Yeast, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Chicken, Horse, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27kDa KDa

APIP antibody - middle region - Additional Information**Gene ID** 51074**Alias Symbol** **APIP2, CGI-29, MMRP19, dj179L10.2, CGI29****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}

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-APIP antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

APIP antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

APIP antibody - middle region - 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

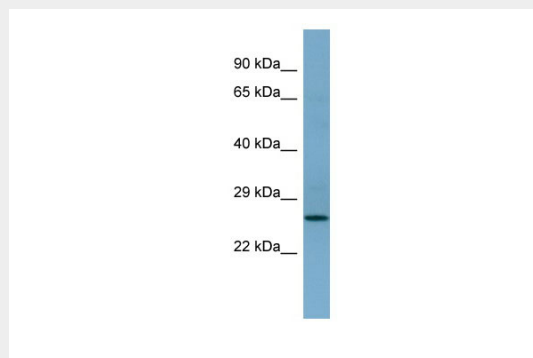
Isoform 1 is ubiquitously expressed. Isoform 2 is expressed at lower levels and detected in heart, brain, pancreas, liver, placenta, skeletal muscle and kidney

APIP antibody - middle region - 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 - middle region - Images



WB Suggested Anti-APIP Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:312500

Positive Control: 721_B cell lysate

APIP is supported by BioGPS gene expression data to be expressed in 721_B

APIP antibody - middle region - References

- Lai C.-H., et al. *Genome Res.* 10:703-713(2000).
Ota T., et al. *Nat. Genet.* 36:40-45(2004).
Taylor T.D., et al. *Nature* 440:497-500(2006).
Cho D.-H., et al. *J. Biol. Chem.* 279:39942-39950(2004).
Burkard T.R., et al. *BMC Syst. Biol.* 5:17-17(2011).