

**APIP Blocking Peptide (Center)**  
**Synthetic peptide**  
**Catalog # BP22073c****Specification**

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**APIP Blocking Peptide (Center) - Product Information**Primary Accession [Q96GX9](#)**APIP Blocking Peptide (Center) - 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**

The synthetic peptide sequence is selected from aa 131-142 of HUMAN APIP

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**APIP Blocking Peptide (Center) - 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 Blocking Peptide (Center) - Protocols**

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

- [Blocking Peptides](#)

### **APIP Blocking Peptide (Center) - Images**

### **APIP Blocking Peptide (Center) - Background**

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### **APIP Blocking Peptide (Center) - References**

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Ota T.,et al.Nat. Genet. 36:40-45(2004).  
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Cho D.-H.,et al.J. Biol. Chem. 279:39942-39950(2004).  
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