

PAPS2 Antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI16113**Specification**

PAPS2 Antibody - C-terminal region - Product Information

Application	WB
Primary Accession	O95340
Other Accession	NP_004661
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	67kDa KDa

PAPS2 Antibody - C-terminal region - Additional Information**Gene ID** 9060**Alias Symbol** **PAPSS2, ATPSK2,****Other Names**

Bifunctional 3'-phosphoadenosine 5'-phosphosulfate synthase 2, PAPS synthase 2, PAPSS 2, Sulfurylase kinase 2, SK 2, SK2, Sulfate adenylyltransferase, 2.7.7.4, ATP-sulfurylase, Sulfate adenylyl transferase, SAT, Adenylyl-sulfate kinase, 2.7.1.25, 3'-phosphoadenosine-5'-phosphosulfate synthase, APS kinase, Adenosine-5'-phosphosulfate 3'-phosphotransferase, Adenylylsulfate 3'-phosphotransferase, PAPSS2, ATPSK2

Format

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

Reconstitution & Storage

Add 50 µl of distilled water. Final Anti-PAPS2 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

PAPS2 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

PAPS2 Antibody - C-terminal region - Protein Information**Name** PAPSS2**Synonyms** ATPSK2**Function**

Bifunctional enzyme with both ATP sulfurylase and APS kinase activity, which mediates two steps in the sulfate activation pathway. The first step is the transfer of a sulfate group to ATP to yield adenosine 5'-phosphosulfate (APS), and the second step is the transfer of a phosphate group from ATP to APS yielding 3'-phosphoadenylylsulfate/PAPS, the activated sulfate donor used by

sulfotransferases (PubMed:11773860, PubMed:19474428, PubMed:23824674, PubMed:25594860). In mammals, PAPS is the sole source of sulfate while APS appears to only be an intermediate in the sulfate-activation pathway (PubMed:11773860, PubMed:19474428, PubMed:23824674, PubMed:25594860). Plays indirectly an important role in skeletogenesis during postnatal growth (PubMed:9771708).

Tissue Location

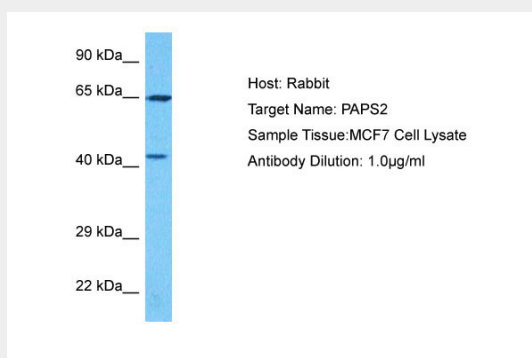
Expressed in cartilage and adrenal gland.

PAPS2 Antibody - C-terminal 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](#)

PAPS2 Antibody - C-terminal region - Images



Host: Rabbit
Target Name: PAPS2
Sample Tissue: MCF7 Whole Cell lysates
Antibody Dilution: 1.0µg/ml

PAPS2 Antibody - C-terminal region - Background

Bifunctional enzyme with both ATP sulfurylase and APS kinase activity, which mediates two steps in the sulfate activation pathway. The first step is the transfer of a sulfate group to ATP to yield adenosine 5'-phosphosulfate (APS), and the second step is the transfer of a phosphate group from ATP to APS yielding 3'-phosphoadenylylsulfate (PAPS: activated sulfate donor used by sulfotransferase). In mammals, PAPS is the sole source of sulfate; APS appears to be only an

intermediate in the sulfate- activation pathway. May have a important role in skeletogenesis during postnatal growth (By similarity).

PAPS2 Antibody - C-terminal region - References

ul Haque M.F.,et al.Nat. Genet. 20:157-162(1998).
Franzon V.L.,et al.Submitted (JUN-1998) to the EMBL/GenBank/DDBJ databases.
Fuda H.,et al.Submitted (OCT-2000) to the EMBL/GenBank/DDBJ databases.
Xu Z.-H.,et al.Biochem. Biophys. Res. Commun. 268:437-444(2000).
Kurima K.,et al.J. Biol. Chem. 274:33306-33312(1999).