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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 adenylate 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 &mu, l 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).

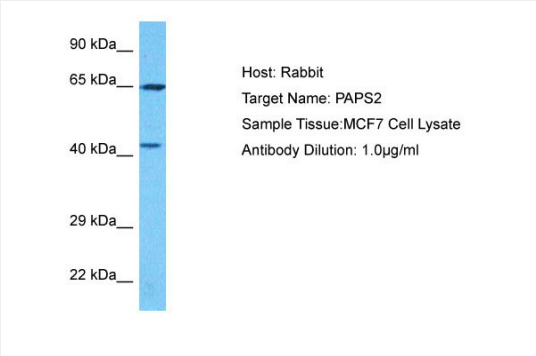
Tissue Location
Expressed in cartilage and adrenal gland.

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 Cytomety
- 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).
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Kurima K.,et al.J. Biol. Chem. 274:33306-33312(1999).