

SAH3 Rabbit pAb

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Catalog # AP57491

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q96HN2
Reactivity	Rat
Predicted	Pig, Human, Mouse, Rabbit, Zebrafish, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	66721
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SAH3
Epitope Specificity	121-220/611
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene acts as a homotetramer and may be involved in the conversion of S-adenosyl-L-homocysteine to L-homocysteine and adenosine. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2011]

Additional Information

Gene ID	23382
Other Names	Adenosylhomocysteinase 3, AdoHcyase 3, 3.13.2.1, IP(3)Rs binding protein released with IP(3) 2, IRBIT2, Long-IRBIT, S-adenosyl-L-homocysteine hydrolase 3, S-adenosylhomocysteine hydrolase-like protein 2, AHCYL2, KIAA0828
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

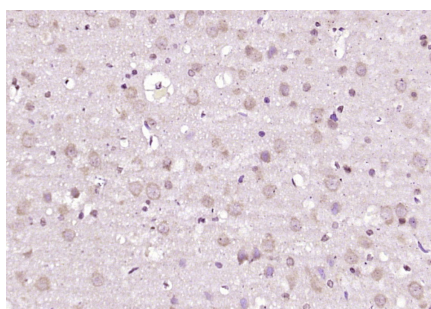
Name	AHCYL2
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Synonyms	KIAA0828
Function	Regulatory protein that interacts with and modulates the activity of membrane ion transporters, including the sodium-bicarbonate cotransporter SLC4A4, through phosphorylation-dependent binding. Functions as a homolog of AHCYL1 to regulate bicarbonate transport and intracellular pH homeostasis via direct interactions rather than enzymatic activity (By similarity). On the contrary of its homolog AHCYL1, does not regulate ITPR1 sensitivity to inositol 1,4,5- trisphosphate (PubMed: 19220705).
Cellular Location	Cytoplasm {ECO:0000250 UniProtKB:A6QLP2, ECO:0000250 UniProtKB:Q68FL4}. Microsome {ECO:0000250 UniProtKB:Q68FL4}. Note=Associates with membranes when phosphorylated, probably through interaction with ITPR1 {ECO:0000250 UniProtKB:Q68FL4}

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Images



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SAH3) Polyclonal Antibody, Unconjugated (AP57491) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.