

**S adenosylhomocysteine hydrolase (ACHY) Antibody (N-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP2733a****Specification**

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**S adenosylhomocysteine hydrolase (ACHY) Antibody (N-term) - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">P23526</a>
Other Accession	<a href="#">Q710C4</a> , <a href="#">Q4R596</a> , <a href="#">Q3MHL4</a>
Reactivity	Human
Predicted	Bovine, Monkey, Pig
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	47716
Antigen Region	79-110

**S adenosylhomocysteine hydrolase (ACHY) Antibody (N-term) - Additional Information****Gene ID** 191**Other Names**

Adenosylhomocysteinase, AdoHcyase, S-adenosyl-L-homocysteine hydrolase, AHCY, SAHH

**Target/Specificity**

This S adenosylhomocysteine hydrolase (ACHY) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 79-110 amino acids from the N-terminal region of human S adenosylhomocysteine hydrolase (ACHY).

**Dilution**

WB~~1:1000

IHC-P~~1:10~50

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

S adenosylhomocysteine hydrolase (ACHY) Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**S adenosylhomocysteine hydrolase (ACHY) Antibody (N-term) - Protein Information****Name** AHCY

**Synonyms** SAHH

**Function** Catalyzes the hydrolysis of S-adenosyl-L-homocysteine to form adenosine and homocysteine (PubMed:[10933798](#)). Binds copper ions (By similarity).

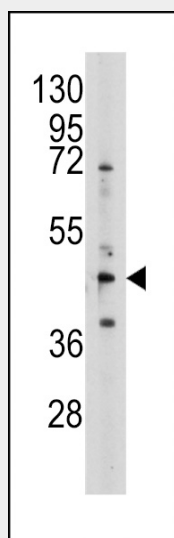
**Cellular Location**

Cytoplasm. Melanosome. Nucleus. Endoplasmic reticulum. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV

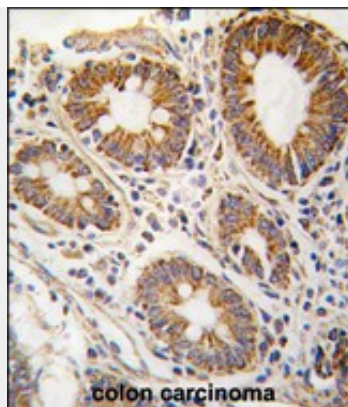
**S adenosylhomocysteine hydrolase (ACHY) Antibody (N-term) - Protocols**

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](#)

**S adenosylhomocysteine hydrolase (ACHY) Antibody (N-term) - Images**

Western blot analysis of anti-ACHY Pab (Cat.#AP2733a) in 293 cell line lysates (35ug/lane). ACHY (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with AHCY antibody (N-term) (Cat.#AP2733a), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

### **S adenosylhomocysteine hydrolase (ACHY) Antibody (N-term) - Background**

S-adenosylhomocysteine hydrolase (AHCY) catalyzes the reversible hydrolysis of S-adenosylhomocysteine (AdoHcy) to adenosine (Ado) and L-homocysteine (Hcy). Thus, it regulates the intracellular S-adenosylhomocysteine (SAH) concentration thought to be important for transmethylation reactions. Deficiency in this protein is one of the different causes of hypermethioninemia. S-adenosylhomocysteine hydrolase belongs to the adenosylhomocysteinase family.

### **S adenosylhomocysteine hydrolase (ACHY) Antibody (N-term) - References**

- Yideng,J.,DNA Cell Biol. 26 (8), 603-611 (2007)  
Arredondo-Vega,F.X.,Ann. Hum. Genet. 53 (PT 2), 157-167 (1989)  
Li,Q.S.,Biochemistry 47 (17), 4983-4991 (2008)