

S- Adenosylhomocysteine Antibody (Clone # 301-10)
Mouse Monoclonal Antibody
Catalog # ABV11456**Specification**

S- Adenosylhomocysteine Antibody (Clone # 301-10) - Product Information

Application	E, IHC
Reactivity	All Species
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG3

S- Adenosylhomocysteine Antibody (Clone # 301-10) - Additional Information

Positive Control	IHC: kidney carcinoma tissue, FCM: HepG2 and L02 cell lines
Application & Usage	cELISA: 1:2500, FCM: 1: 20/40, IHC: 1: 20/40.

Other Names

S- Adenosylhomocysteine

Target/Specificity

S Adenosylhomocysteine

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

20 mM PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide, 50% Glycerol and 10 mg/ml BSA

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

S- Adenosylhomocysteine Antibody (Clone # 301-10) is for research use only and not for use in diagnostic or therapeutic procedures.

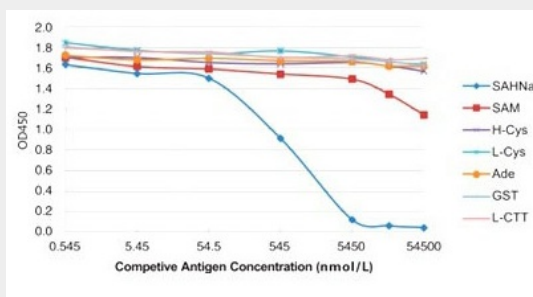
S- Adenosylhomocysteine Antibody (Clone # 301-10) - Protein Information

S- Adenosylhomocysteine Antibody (Clone # 301-10) - Protocols

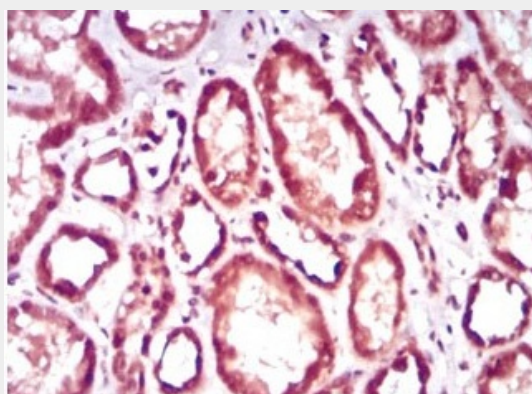
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

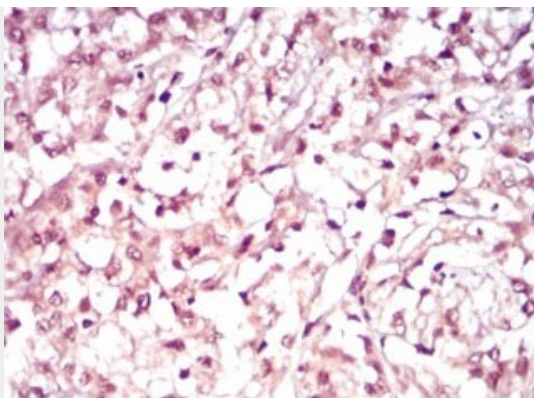
S- Adenosylhomocysteine Antibody (Clone # 301-10) - Images



Competitive ELISA: 0.5 µg/ml of SAH-BNSA coating standard was coated into 96 wells. Serial dilution of SAH standard, S-Adenosylmethionine (SAM), Adenosine, Homocysteine, L-cysteine, Glutathione, L-Cystathionine, and antibody were added. HRP conjugated Goat anti-Mouse IgG antibody was used to develop the color. The A is the OD450 value of the test well and the A0 is the OD450 of the well without competitive antigen.



Immunohistochemistry staining was performed using the antibody with benign kidney tissue adjacent to carcinoma. Brown areas indicated strong positive staining in cytoplasm (X400).



The immunohistochemical staining was performed for the same sample as in the above figure with kidney cancer tissue. Cytoplasm showed background staining (further dilution beyond 1:200 is required) with the antibody (X400).

S- Adenosylhomocysteine Antibody (Clone # 301-10) - Background

S-Adenosyl-L-homocysteine (SAH) is an amino acid derivative and an intermediate, by-product, or modulator of several metabolic pathways, including the activated methyl cycle and cysteine biosynthesis. It is also a product of S-adenosyl-methionine (SAM)-dependent methylation of biological molecules, including DNA, RNA, and histones and other proteins. SAH is a risk factor for many diseases, including cancer and neurodegenerative diseases.