Datasheet for ABIN7101497

anti-AHCY antibody

3 Images

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Overview

Quantity:	20 µL
Target:	AHCY
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This AHCY antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Immunogen:	A synthesized peptide derived from human AHCY.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	AHCY
Alternative Name:	AHCY (AHCY Products)
Background:	S-adenosylhomocysteine hydrolase belongs to the adenosylhomocysteinase family. It catalyzes the reversible hydrolysis of S-adenosylhomocysteine (AdoHcy) to adenosine (Ado)

Target Details

	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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.,AHCY, SAHH, adoHcyase, adenosylhomocysteinase,Signal Transduction,Endocrine & Metabolism,Amino acid metabolism,AHCY
Molecular Weight:	47 kDa
Gene ID:	191
UniProt:	P23526

Application Details

Application Notes:	WB,1:500 - 1:2000,IP,1:50 - 1:200
Restrictions:	For Research Use only

Handling

Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

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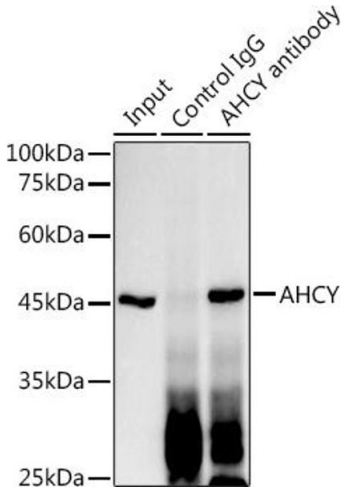
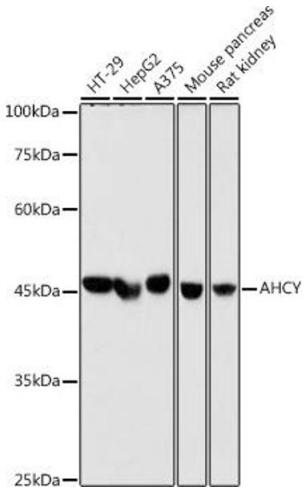


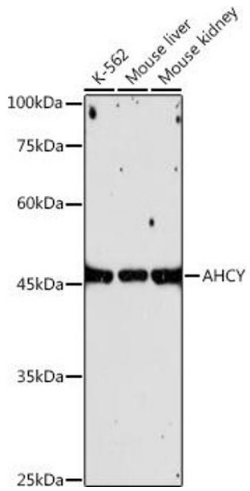
Immunoprecipitation

Image 1. Immunoprecipitation analysis of 300 µg extracts of HT-29 cells using 3 µg AHCY antibody (ABIN1680618, ABIN1680617, ABIN7101497 and ABIN7101498). Western blot was performed from the immunoprecipitate using AHCY antibody (ABIN1680618, ABIN1680617, ABIN7101497 and ABIN7101498) at a dilition of 1:1000.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using AHCY antibody (ABIN1680618, ABIN1680617, ABIN7101497 and ABIN7101498) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 30s.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using AHCY antibody (ABIN1680618, ABIN1680617, ABIN7101497 and ABIN7101498) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Enhanced Kit (RM00021).Exposure time: 180s.

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