Datasheet for ABIN6570186

anti-APEH antibody

2 Images

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Overview

Quantity:	200 µL
Target:	APEH
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This APEH antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant protein of human APEH
Isotype:	IgG
Purification:	Affinity purification

Target Details

Target:	APEH
Alternative Name:	APEH (APEH Products)
Background:	Synonyms: AARE,ACPH,ACPH,Acyl peptide hydrolase,Acyl-peptide hydrolase,Acylamino acid releasing enzyme,Acylamino-acid-releasing enzyme,Acylaminoacyl peptidase,Acylaminoacyl-peptidase,APEH,APH,N acylaminoacyl peptide hydrolase,OPH,Oxidized protein hydrolase Background: This gene encodes the enzyme acylpeptide hydrolase, which catalyzes the hydrolysis of the terminal acetylated amino acid preferentially from small acetylated peptides.

Target Details

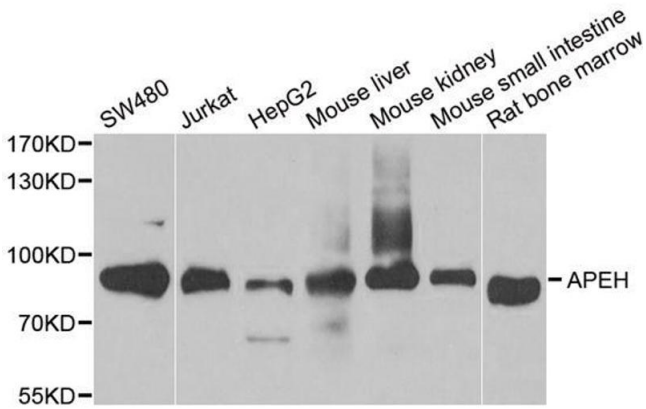
	The acetyl amino acid formed by this hydrolase is further processed to acetate and a free amino acid by an aminoacylase. This gene is located within the same region of chromosome 3 (3p21) as the aminoacylase gene, and deletions at this locus are also associated with a decrease in aminoacylase activity. The acylpeptide hydrolase is a homotetrameric protein of 300 kDa with each subunit consisting of 732 amino acid residues. It can play an important role in destroying oxidatively damaged proteins in living cells. Deletions of this gene locus are found in various types of carcinomas, including small cell lung carcinoma and renal cell carcinoma.
Molecular Weight:	Observed_MW: 81kDa Calculated_MW: 81kDa
Gene ID:	327
UniProt:	P13798

Application Details

Application Notes:	WB 1:500 - 1:2000 IP 1:20 - 1:50
Restrictions:	For Research Use only

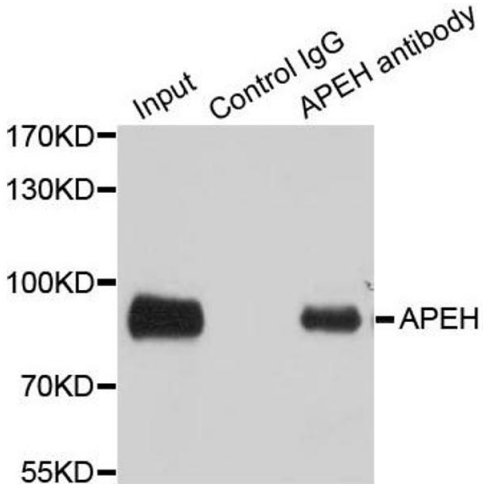
Handling

Concentration:	1 mg/mL
Buffer:	Buffer: PBS with 0.02 % sodium azide, 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.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using APEH antibody.



Western Blotting

Image 2. Immunoprecipitation analysis of 100ug extracts of SW480 cells using 3ug APEH antibody.