ACY1 Rabbit pAb

CatalogNo: YN2215

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse

Applications
- WB,ELISA

MW
- 44kD (Observed)

Isotype
- IgG

Recommended Dilution Ratios

WB 1:500-2000
ELISA 1:5000-20000

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol,0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality	Polyclonal

Immunogen Information

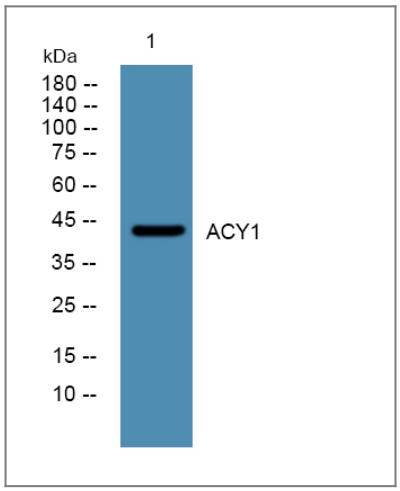
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	ACY1 Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name	ACY1

Protein Name	Aminoacylase-1 (ACY-1) (N-acyl-L-amino-acid amidohydrolase)		
	Organism	**Gene ID**	**UniProt ID**
	Human	95;	Q03154;
	Mouse		Q99JW2;
Cellular Localization	Cytoplasm.		
Tissue specificity	Expression is highest in kidney, strong in brain and weaker in placenta and spleen.		
Function	Catalytic activity:An N-acyl-L-amino acid + H(2)O = a carboxylate + an L-amino acid.,cofactor:Binds 2 zinc ions per subunit.,Disease:Defects in ACY1 are the cause of aminoacylase-1 deficiency (ACY1D) [MIM:609924]. ACY1D results in a metabolic disorder manifesting with encephalopathy, unspecific psychomotor delay, psychomotor delay with atrophy of the vermis and syringomyelia, marked muscular hypotonia or normal clinical features. Epileptic seizures are a frequent feature. All affected individuals exhibit markedly increased urinary excretion of several N-acetylated amino acids.,Function:Involved in the hydrolysis of N-acylated or N-acetylated amino acids (except L-aspartate).,similarity:Belongs to the peptidase M20A family.,subunit:Homodimer. Interacts with SPHK1.,tissue specificity:Expression is highest in kidney, strong in brain and weaker in placenta and spleen.,		

Validation Data



Western blot analysis of lysates from SW480 cells, primary antibody was diluted at 1:1000, 4°over night

Contact information

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Please scan the QR code to access additional product information:
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