

ACY2 Rabbit pAb

CatalogNo: YN3763

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB

MW

- 34kD (Calculated)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

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 human ACY2 AA range: 67-117

Specificity This antibody detects endogenous levels of ACY2 at Human/Mouse/Rat

Target Information

Gene name ASPA ACY2 ASP

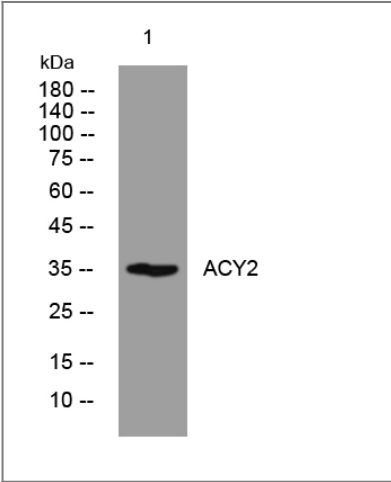
Protein Name	ACY2		
	Organism	Gene ID	UniProt ID
	Human	443;	P45381;
	Mouse	11484;	Q8R3P0;
	Rat	79251;	Q9R1T5;

Cellular Localization Cytoplasm. Nucleus .

Tissue specificity Brain white matter, skeletal muscle, kidney, adrenal glands, lung and liver.

Function Catalytic activity:N-acyl-L-aspartate + H(2)O = a carboxylate + L-aspartate.,cofactor: Binds 1 zinc ion per subunit.,Disease:Defects in ASPA are the cause of Canavan disease (CAND) [MIM:271900]; also known as spongy degeneration of the brain. CAND is a rare neurodegenerative condition of infancy or childhood characterized by white matter vacuolization and demeylination that gives rise to a spongy appearance. The clinical features are onset in early infancy, atonia of neck muscles, hypotonia, hyperextension of legs and flexion of arms, blindness, severe mental defect, megalcephaly, and death by 18 months on the average.,Function:Catalyzes the deacetylation of N-acetylaspartic acid (NAA) to produce acetate and L-aspartate. NAA occurs in high concentration in brain and its hydrolysis NAA plays a significant part in the maintenance of intact white matter. In other tissues it act as a scavenger of NAA from body fluids.,similarity:Belongs to the aspA/astE family. Aspartoacylase subfamily.,subunit:Homodimer.,tissue specificity:Brain white matter, skeletal muscle, kidney, adrenal glands, lung and liver.,

Validation Data



Western blot analysis of lysates from 3T3 cells, primary antibody was diluted at 1:1000, 4°over night

Contact information

Orders: order.cn@immunoway.com
Support: support.cn@immunoway.com
Telephone: 400-8787-807(China)
Website: <http://www.immunoway.com.cn>
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code
to access additional
product information:
ACY2 Rabbit pAb

For Research Use Only. Not for Use in Diagnostic Procedures.

[Antibody](#) | [ELISA Kits](#) | [Protein](#) | [Reagents](#)