

ADCY3 Rabbit pAb

CatalogNo: YN1621

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA

MW

- 125kD (Observed)

Isotype

- IgG

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.

Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human protein . at AA range: 950-1030

Specificity ADCY3 Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name ADCY3 KIAA0511

Protein Name Adenylate cyclase type 3 (ATP pyrophosphate-lyase 3) (Adenylate cyclase type III) (AC-III) (Adenylate cyclase, olfactory type) (Adenylyl cyclase 3) (AC3)

Organism	Gene ID	UniProt ID
Human	109;	O60266;
Mouse		Q8VHH7;
Rat		P21932;

Cellular Localization Cell membrane ; Multi-pass membrane protein . Cytoplasm . Cell projection, cilium . Golgi apparatus . Also detected in the cytoplasm, close to lipid droplets. .

Tissue specificity Detected in zona glomerulosa and zona fasciculata in the adrenal gland (at protein level) (PubMed:11549699). Expressed in brain, heart, kidney, liver, lung, pancreas islets, placenta, and skeletal muscle (PubMed:9920776). Detected in testis (PubMed:15705663).

Function Catalytic activity:ATP = 3',5'-cyclic AMP + diphosphate.,cofactor:Binds 2 magnesium ions per subunit.,enzyme regulation:Activated by calcium/calmodulin.,Function:Mediates odorant detection (possibly) via modulation of intracellular cAMP concentration.,similarity:Belongs to the adenylyl cyclase class-4/guanylyl cyclase family.,similarity:Contains 2 guanylate cyclase domains.,tissue specificity:Expressed in brain, heart, kidney, liver, lung, pancreas, placenta, and skeletal muscle.,

Validation Data

Contact information

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ADCY3 Rabbit pAb

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