

A Cyclase IX Rabbit pAb

CatalogNo: YT0031

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, IHC, IF, ELISA

MW

- 150kD (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 1:500-1:2000

IHC 1:100-1:300

ELISA 1:10000

IF 1:50-200

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from human ADCY9. AA range:137-186

Specificity A Cyclase IX Polyclonal Antibody detects endogenous levels of A Cyclase IX protein.

Target Information

Gene name ADCY9

Protein Name Adenylate cyclase type 9

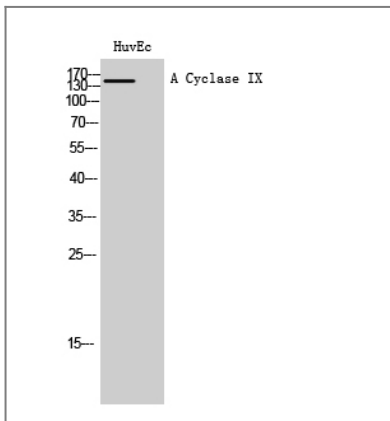
Organism	Gene ID	UniProt ID
Human	115 ;	O60503 ;
Mouse		P51830 ;

Cellular Localization Cell membrane ; Multi-pass membrane protein .

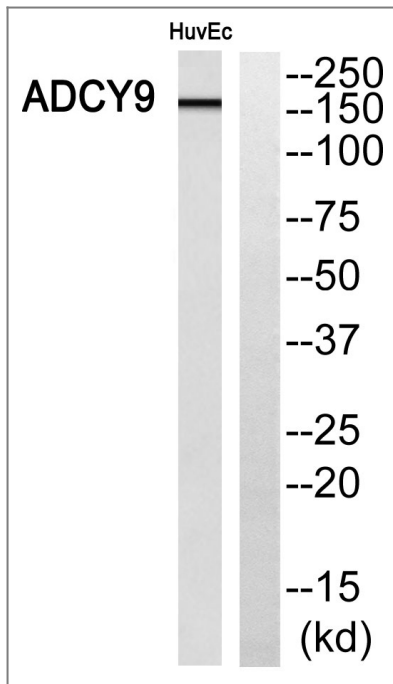
Tissue specificity Detected in skeletal muscle, pancreas, lung, heart, kidney, liver, brain and placenta (PubMed:9628827, PubMed:10987815). Expressed in multiple cells of the lung, with expression highest in airway smooth muscle (PubMed:12972952).

Function Catalytic activity:ATP = 3',5'-cyclic AMP + diphosphate.,cofactor: Binds 2 magnesium ions per subunit.,enzyme regulation: Insensitive to calcium/calmodulin, forskolin and somatostatin. Stimulated by beta-adrenergic receptor activation.,Function: May play a fundamental role in situations where fine interplay between intracellular calcium and cAMP determines the cellular function. May be a physiologically relevant docking site for calcineurin.,similarity: Belongs to the adenylyl cyclase class-4/guanylyl cyclase family.,similarity: Contains 2 guanylate cyclase domains.,tissue specificity: Expressed in multiple cells of the lung, with expression highest in airway smooth muscle.,

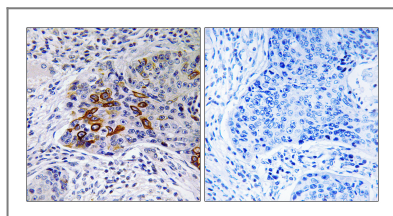
Validation Data



Western Blot analysis of HuvEc cells using A Cyclase IX Polyclonal Antibody diluted at 1:1000



Western blot analysis of ADCY9 Antibody. The lane on the right is blocked with the ADCY9 peptide.



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma, using ADCY9 Antibody. The lane on the right is blocked with the ADCY9 peptide.

Contact information

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A Cyclase IX Rabbit pAb

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