

ANPRA Rabbit pAb

CatalogNo: YN1858 Orthogonal Validated 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA

MW

- 116kD (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 part region of human protein. AA range:549-649

Specificity ANPRA Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name NPR1 ANPRA

Protein Name Atrial natriuretic peptide receptor 1 (Atrial natriuretic peptide receptor type A) (ANP-A) (ANPR-A) (NPR-A) (Guanylate cyclase A) (GC-A)

Organism	Gene ID	UniProt ID
Human	4881 ;	P16066 ;
Mouse		P18293 ;
Rat		P18910 ;

Cellular Localization Membrane; Single-pass type I membrane protein.

Tissue specificity Blood,Kidney,Placenta,Retina,

Function Catalytic activity:GTP = 3',5'-cyclic GMP + diphosphate.,Function:Receptor for atrial natriuretic peptide. Has guanylate cyclase activity on binding of ANP.,miscellaneous:There seem to be at least three natriuretic peptide hormone receptors: two with guanylate cyclase activity (NPR1/ANP-A and NPR2/ANP-B) and one (NPR3/ANP-C) which is probably responsible for the clearance of natriuretic peptides from the circulation without a role in signal transduction.,PTM:Phosphorylation of the protein kinase-like domain is required for full activation by ANP.,similarity:Belongs to the adenylyl cyclase class-4/guanylyl cyclase family.,similarity:Contains 1 guanylate cyclase domain.,similarity:Contains 1 protein kinase domain.,

Validation Data

Contact information

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ANPRA Rabbit pAb

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