

GCAP2 Rabbit pAb

CatalogNo: YN7755

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB

MW

- 22kD (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 GCAP2

Specificity This antibody detects endogenous levels of GCAP2 at Human, Mouse

Target Information

Gene name GUCA1B GCAP2

Protein Name	Guanylyl cyclase-activating protein 2 (GCAP 2) (Guanylate cyclase activator 1B)		
	Organism	Gene ID	UniProt ID
	Human	2979;	Q9UMX6;
	Mouse	107477;	Q8VBV8;
Cellular Localization	Cell membrane ; Lipid-anchor . Photoreceptor inner segment . Cell projection, cilium, photoreceptor outer segment . Subcellular location is not affected by light or dark conditions. .		
Tissue specificity	In the retina, it is expressed in cone and rod photoreceptor cells.		
Function	Stimulates two retinal guanylyl cyclases (GCs) GUCY2D and GUCY2F when free calcium ions concentration is low, and inhibits GUCY2D and GUCY2F when free calcium ions concentration is elevated (By similarity). This Ca(2+)-sensitive regulation of GCs is a key event in recovery of the dark state of rod photoreceptors following light exposure (By similarity). May be involved in cone photoreceptor response and recovery of response in bright light (By similarity).		

Validation Data

Contact information

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 product information:
GCAP2 Rabbit pAb

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