

## 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

<b>Protein Name</b>	Guanylyl cyclase-activating protein 2 (GCAP 2) (Guanylate cyclase activator 1B)		
	<b>Organism</b>	<b>Gene ID</b>	<b>UniProt ID</b>
	Human	<a href="#">2979;</a>	<a href="#">Q9UMX6;</a>
	Mouse	<a href="#">107477;</a>	<a href="#">Q8VBV8;</a>
<b>Cellular Localization</b>	Cell membrane ; Lipid-anchor . Photoreceptor inner segment . Cell projection, cilium, photoreceptor outer segment . Subcellular location is not affected by light or dark conditions. .		
<b>Tissue specificity</b>	In the retina, it is expressed in cone and rod photoreceptor cells.		
<b>Function</b>	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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**GCAP2 Rabbit pAb**

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