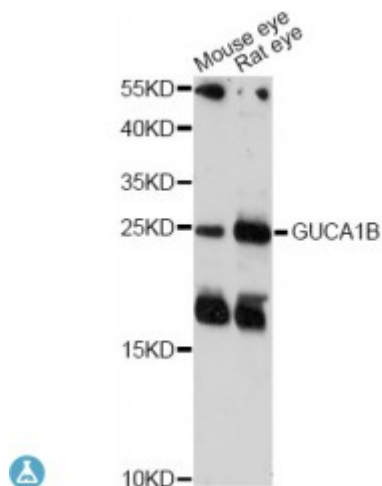


Anti-GUCA1B Antibody



Description

The protein encoded by this gene is a calcium-binding protein that activates photoreceptor guanylate cyclases. This gene may have arisen due to a gene duplication event since there is a highly similar gene clustered with it on chromosome 6. Mutations in this gene can cause a form of retinitis pigmentosa.

Model	STJ116939
Host	Rabbit
Reactivity	Mouse, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-200 of human GUCA1B (NP_002089.4).
Gene ID	2979
Gene Symbol	GUCA1B
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Retina, Cones and rod
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Guanylyl cyclase-activating protein 2 GCAP 2 Guanylate cyclase activator 1B
Molecular Weight	23.42 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:4679 OMIM:602275 Reactome:R-HSA-2514859
Alternative Names	Guanylyl cyclase-activating protein 2 GCAP 2 Guanylate cyclase activator 1B
Function	Stimulates guanylyl cyclase 1 (GC1) and GC2 when free calcium ions concentration is low, and GC1 and GC2 when free calcium ions concentration is elevated, This Ca(2+)-sensitive regulation of GC is a key event in recovery of the dark state of rod photoreceptors following light exposure
Cellular Localization	Cell membrane,

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