

GUC1A rabbit pAb

Cat No.:ES15854

For research use only

Overview

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|--------------------------|---|
| Product Name | GUC1A rabbit pAb |
| Host species | Rabbit |
| Applications | WB |
| Species Cross-Reactivity | Human; Mouse |
| Recommended dilutions | WB 1: 500-2000 |
| Immunogen | Synthesized peptide derived from human GUC1A AA range: 63-113 |
| Specificity | This antibody detects endogenous levels of GUC1A at Human/Mouse |
| Formulation | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Storage | Store at -20°C. Avoid repeated freeze-thaw cycles. |
| Protein Name | GUC1A |
| Gene Name | GUCA1A C6orf131 GCAP GCAP1 GUCA1 |
| Cellular localization | Membrane; Lipid-anchor . Photoreceptor inner segment . Cell projection, cilium, photoreceptor outer segment . Present at higher levels in cone than in rod outer segments (PubMed:9620085). Subcellular location is not affected by light or dark conditions. . |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Clonality | Polyclonal |
| Concentration | 1 mg/ml |
| Observed band | |
| Human Gene ID | 2978 |
| Human Swiss-Prot Number | P43080 |
| Alternative Names | |
| Background | This gene encodes an enzyme that plays a role in the recovery of retinal photoreceptors from photobleaching. This enzyme promotes the activity of retinal guanylyl cyclase-1 (GC1) at low calcium |





concentrations and inhibits GC1 at high calcium concentrations. Mutations in this gene can cause cone dystrophy 3 and code-rod dystrophy 14. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016],

Western blot analysis of lysates from HpeG2 cells, primary antibody was diluted at 1:1000, 4°over night

