

For Research Use Only

GUCY2D Polyclonal antibody

Catalog Number: 55127-1-AP **2 Publications**



Basic Information

Catalog Number: 55127-1-AP	GenBank Accession Number: NM_000180	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 µg/ml by Nanodrop and 393 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3000	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	Full Name: guanylate cyclase 2D, membrane (retina-specific)	
Isotype: IgG	Calculated MW: 120 kDa	
	Observed MW: 120 kDa, 95 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse brain tissue, human brain tissue
Cited Applications: IF, WB	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse	

Background Information

GUCY2D, also named as CORD6, GUC1A4, GUC2D, RETGC, RETGC1 and ROS-GC, belongs to the adenylyl cyclase class-4/guanylyl cyclase family. It probably plays a specific functional role in the rods and/or cones of photoreceptors. It may be the enzyme involved in the resynthesis of cGMP required for recovery of the dark state after phototransduction. A number of nonsense and frameshift mutations in the GUCY2D gene have been identified in LCA1 patients. Defects in GUCY2D are the cause of cone-rod dystrophy type 6 (CORD6). GUCY2D is responsible for many reported cases of autosomal dominant CRDs. The antibody is specific to GUCY2D.

Notable Publications

Author	Pubmed ID	Journal	Application
Poppy Datta	31694913	J Biol Chem	WB, IF
Suguru Yamasaki	35024589	iScience	IF

Storage

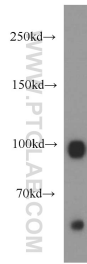
Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

For technical support and original validation data for this product please contact:
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Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 55127-1-AP (GUCY2D antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.