

For Research Use Only

GUCY2D Polyclonal antibody

Catalog Number: 55127-1-AP

2 Publications



Basic Information

Catalog Number:

55127-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop and 393 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_000180

GeneID (NCBI):

3000

UNIPROT ID:

Q02846

Full Name:

guanylate cyclase 2D, membrane (retina-specific)

Calculated MW:

120 kDa

Observed MW:

120 kDa, 95 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : mouse brain tissue, human brain tissue

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

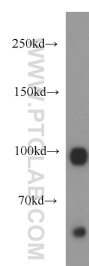
For technical support and original validation data for this product please contact:

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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.