

For Research Use Only

EYA1 Polyclonal antibody

Catalog Number: 22658-1-AP

Featured Product

13 Publications



Basic Information

Catalog Number:

22658-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18489

GenBank Accession Number:

BC121799

GeneID (NCBI):

2138

UNIPROT ID:

Q99502

Full Name:

eyes absent homolog 1 (Drosophila)

Calculated MW:

592 aa, 65 kDa

Observed MW:

61 kDa and 65 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:10000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:250-1:1000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: HepG2 cells, mouse colon tissue, HuH-7 cells, NCCIT cells, mouse liver tissue, rat liver tissue

IP: HepG2 cells,

IHC: human kidney tissue,

IF/ICC: HeLa cells,

Background Information

The EYA1 (Eyes absent homolog 1) gene is the human homologue of the Drosophila Eya1 gene, which is essential for eye development in that species. There are 4 different isoforms of EYA1 (EYA1A, EYA1B, EYA1C, EYA1D), which are composed of 559 amino acids (AA), 592 AA, 592 AA and 557 AA, respectively. It should be noted that isoforms B and C have the same length; however, they could be considered different variants because of change in amino acidic composition (PMID: 24803398).

Notable Publications

Author	Pubmed ID	Journal	Application
Joshua Jiawei Zhou	29285235	Oncotarget	WB,IHC
Jin Gao	31720997	J Mol Neurosci	WB,IP
Qiuxia Cui	32456711	Stem Cell Res Ther	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

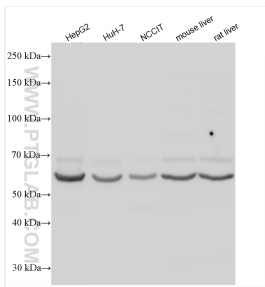
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

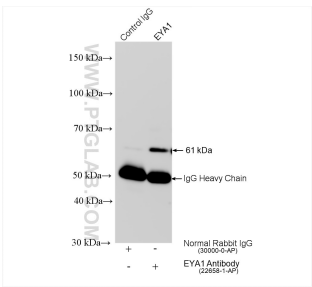
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

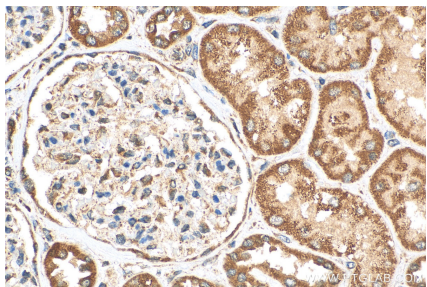
Selected Validation Data



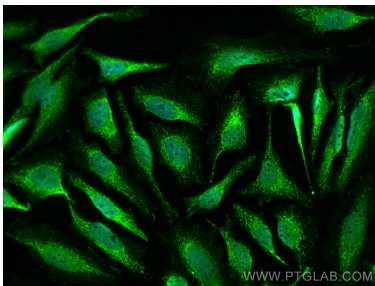
Various lysates were subjected to SDS PAGE followed by western blot with 22658-1-AP (EYA1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



IP result of anti-EYA1 (IP:22658-1-AP, 4ug; Detection:22658-1-AP 1:4000) with HepG2 cells lysate 2600 ug.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 22658-1-AP (EYA1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using EYA1 antibody (22658-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).