

For Research Use Only

EYA2 Polyclonal antibody

Catalog Number: 11314-1-AP

4 Publications



Basic Information

Catalog Number:

11314-1-AP

Size:

450 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1860

GenBank Accession Number:

BC013882

GeneID (NCBI):

2139

UNIPROT ID:

O00167

Full Name:

eyes absent homolog 2 (Drosophila)

Calculated MW:

64 kDa

Observed MW:

56 kDa and 70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human

Cited Species:

human, mouse

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 : HeLa cells, Y79 cells

IHC : human prostate cancer tissue,

IF/ICC : HeLa cells,

Background Information

EYA2, also named EAB1, belongs to the HAD-like hydrolase superfamily and EYA family. It coactivates SIX1. The Six1-EYA2 interaction may inhibit breast cancer progression. EYA2 is required for Six1-activated TGF-beta signaling. (PMID:21706047) It may be involved in the development of the eye. This protein has 3 isoforms produced by alternative splicing with the molecular weight of 59 kDa, 57 kDa, and 50 kDa. It can be detected two bands of 70 kDa and 56 kDa in the neuroblastoma cells by western blot (PMID:12039049).

Notable Publications

Author	Pubmed ID	Journal	Application
Zhifeng Wen	28901379	Int J Mol Med	IHC, WB
Bin Yuan	33898441	Front Cell Dev Biol	WB
Meng-Han Zhang	39758702	Stem Cells Int	WB

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

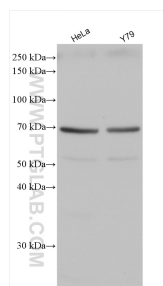
T: 4006900926

E: Proteintech-CN@ptglab.com

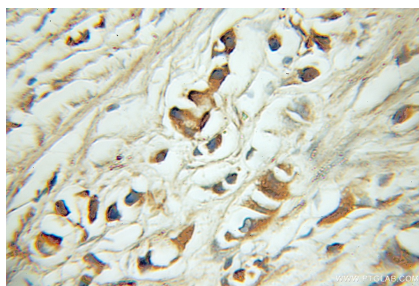
W: ptgcn.com

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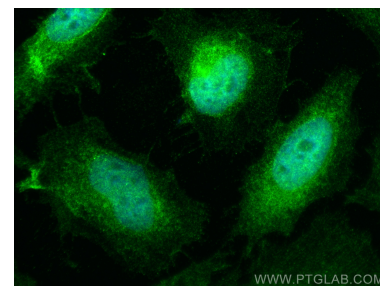
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 11314-1-AP (EYA2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer using 11314-1-AP (EYA2 antibody) at dilution of 1:50 (under 10x lens).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using EYA2 antibody (11314-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).