For Research Use Only

EYA3 Polyclonal antibody

Catalog Number:21196-1-AP 7 Publications

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Basic Information

Catalog Number:
21196-1-AP

Size:
400 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG15544

GenBank Accession Number:
BC029500

GeneID (NCBI):
2140

UNIPROT ID:
Q99504

Full Name:
eyes absent homolog 3 (Drosophila)

Calculated MW:
573 aa, 63 kDa

Observed MW:
63-66 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:1000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC 1:50-1:500
IF/ICC 1:10-1:100

Applications

Tested Applications:
WB, IHC, IF/ICC, IP, ELISA

Cited Applications:
WB, IHC, IP, 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, L02 cells

IP : L02 cells,

IHC : human breast cancer tissue,

IF/ICC : Hela cells,

Background Information

EYA3(Eyes absent homolog 3) belongs to the HAD-like hydrolase superfamily.Its function as histone phosphatase probably explains its role in transcription regulation during organogenesis.EYA3, like EYA1, is expressed in the ninth week of human development and may also underlie developmental defects(PMID:9020840).It has 2 isoforms produced by alternative splicing.This antibody is specific to EYA3.

Notable Publications

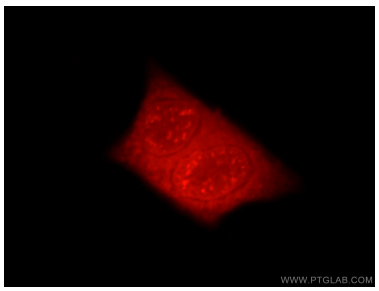
Author	Pubmed ID	Journal	Application
Yuhua Wang	31515519	Nat Commun	WB,IHC,IF
Chunmei Yang	35957720	Ann Transl Med	IP,WB,IHC
Mihaela Mentel	29440662	Sci Rep	

Storage

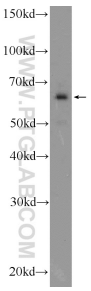
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

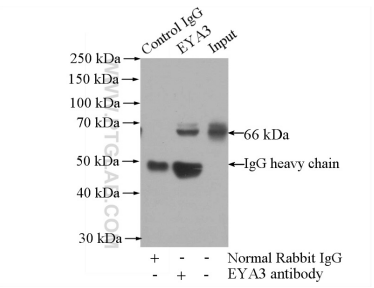
Selected Validation Data



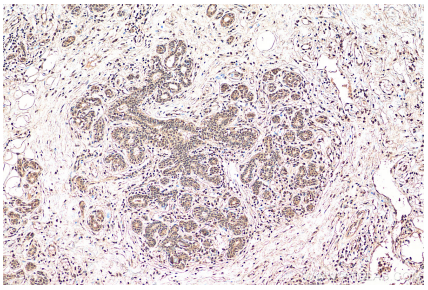
Immunofluorescent analysis of Hela cells, using EYA3 antibody 21196-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



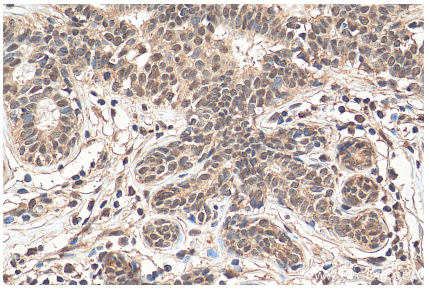
HeLa cells were subjected to SDS PAGE followed by western blot with 21196-1-AP (EYA3 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP result of anti-EYA3 (IP:21196-1-AP, 4ug; Detection:21196-1-AP 1:1000) with L02 cells lysate 1800ug.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 21196-1-AP (EYA3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 21196-1-AP (EYA3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).