

For Research Use Only

# EYA3 Polyclonal antibody

Catalog Number: 21196-1-AP **5 Publications**



## Basic Information

<b>Catalog Number:</b> 21196-1-AP	<b>GenBank Accession Number:</b> BC029500	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 µg/ml by Nanodrop and 307 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 2140	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> eyes absent homolog 3 (Drosophila)	<b>IHC 1:50-1:500</b> <b>IF 1:10-1:100</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 573 aa, 63 kDa	
<b>Immunogen Catalog Number:</b> AG15544	<b>Observed MW:</b> 63-66 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, IP, WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, L02 cells
<b>Cited Applications:</b> IF, IHC, IP, WB	<b>IP :</b> L02 cells,
<b>Species Specificity:</b> human	<b>IHC :</b> human breast cancer tissue,
<b>Cited Species:</b> human, mouse	<b>IF :</b> HeLa cells,

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

## 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	

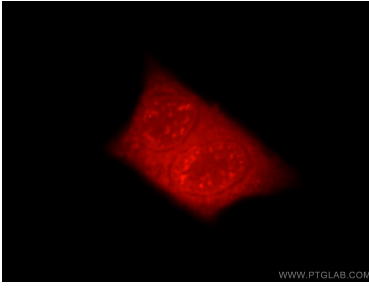
## Storage

**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

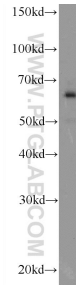
For technical support and original validation data for this product please contact:  
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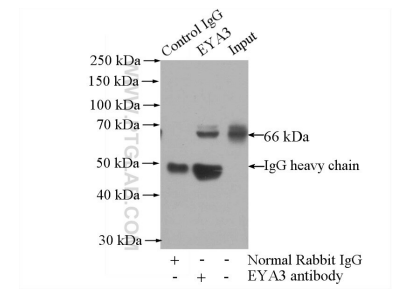
## Selected Validation Data



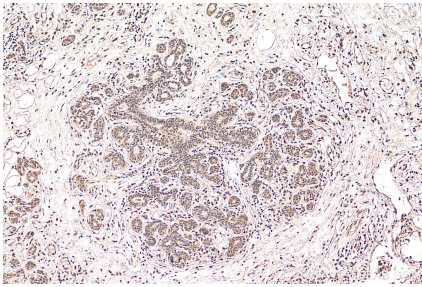
Immunofluorescent analysis of HeLa cells, using EYA3 antibody 21196-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



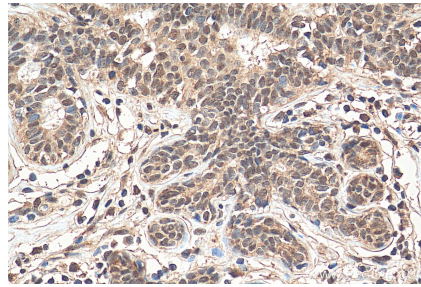
HeLa cells were subjected to SDS PAGE followed by western blot with 21196-1-AP (EYA3 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



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).