

For Research Use Only

EYA2 Polyclonal ANTIBODY



Catalog Number: 11314-1-AP **2 Publications**

Basic Information

Catalog Number: 11314-1-AP	GenBank Accession Number: BC013882	Purification Method: Antigen affinity purification
Size: 150UL, Concentration: 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2139	Recommended Dilutions: WB 1:200-1:1000 IHC 1:20-1:200 IF 1:50-1:500
Source: Rabbit	Full Name: eyes absent homolog 2 (Drosophila)	
Isotype: IgG	Calculated MW: 64 kDa	
Immunogen Catalog Number: AG1860	Observed MW: 57 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls: WB: HeLa cells, mouse eye tissue, Y79 cells IHC: human prostate cancer tissue, IF: HeLa cells,
Cited Applications: IF, IHC, WB	
Species Specificity: human, mouse, rat	
Cited Species: human	
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

EYA2, also named as 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 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
Farabaugh S M SM	21706047	Oncogene	IHC,IF

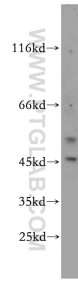
Storage

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

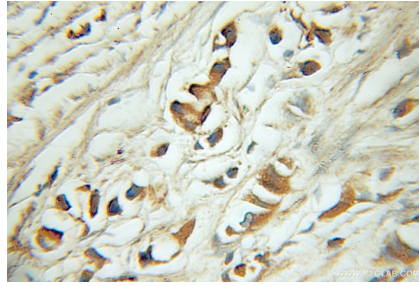
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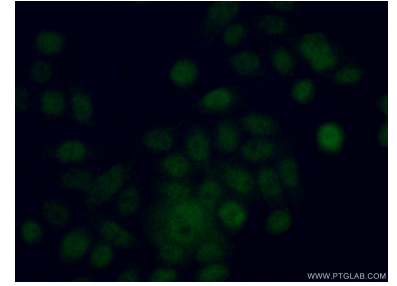
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 11314-1-AP (EYA2 antibody) at dilution of 1:100 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 (10% Formaldehyde) fixed HeLa cells using 11314-1-AP (EYA2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).