

For Research Use Only

EYA2 Polyclonal antibody

Catalog Number: 11314-1-AP

4 Publications



Basic Information

Catalog Number: 11314-1-AP	GenBank Accession Number: BC013882	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 300 ug/ml by Nanodrop;	GeneID (NCBI): 2139	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: O00167	IHC 1:20-1:200
Isotype: IgG	Full Name: eyes absent homolog 2 (Drosophila)	IF/ICC 1:50-1:500
Immunogen Catalog Number: AG1860	Calculated MW: 64 kDa	
	Observed MW: 56 kDa and 70 kDa	

Applications

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

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

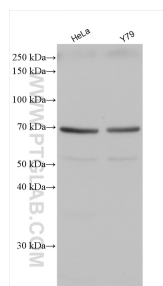
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

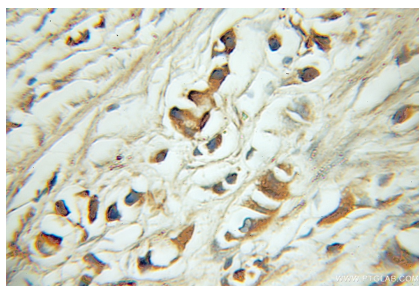
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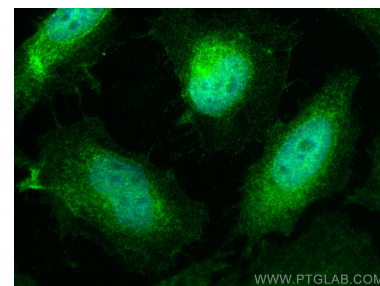
Selected Validation Data



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).