

For Research Use Only

Mu Crystallin Polyclonal antibody



Catalog Number: 12495-1-AP

3 Publications

Basic Information

Catalog Number: 12495-1-AP	GenBank Accession Number: BC018061	Purification Method: Antigen affinity purification
Size: 150UL, Concentration: 500 µg/ml by Nanodrop and 400 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1428	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:20-1:200 IF 1:50-1:500
Source: Rabbit	Full Name: crystallin, mu	
Isotype: IgG	Calculated MW: 314 aa, 34 kDa	
Immunogen Catalog Number: AG3161	Observed MW: 34 kDa	

Applications

Tested Applications:

IF, IHC, WB, ELISA

Cited Applications:

IF, IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

mouse, rat

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 : Y79 cells, Jurkat cells, human kidney tissue, human heart tissue

IHC : human gliomas tissue,

IF : human gliomas tissue,

Background Information

mu Crystallin(thiomorpholine-carboxylate dehydrogenase) is also named as THBP, CRYM, ketimine reductase and belongs to the ornithine cyclodeaminase family. This protein catalyzes the reduction of imine bonds in brain substrates that may include cystathionine ketimine (CysK) and lanthionine ketimine (LK). It is also involved in the regulation of the free intracellular concentration of triiodothyronine and access to its nuclear receptor.

Notable Publications

Author	Pubmed ID	Journal	Application
Yuko Ishido	26370556	Endocr J	WB
Reiji Hommyo	29603402	Neuropathology	WB,IHC,IF
John DeSisto	32634398	Dev Cell	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

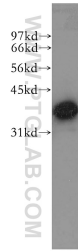
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

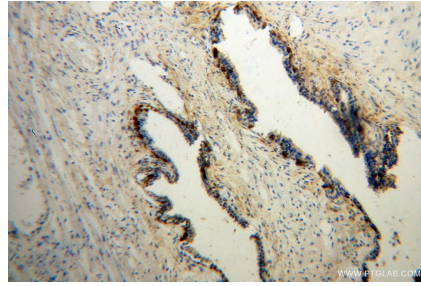
E: proteintech@ptglab.com
W: ptglab.com

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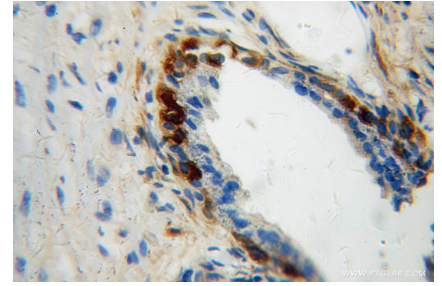
Selected Validation Data



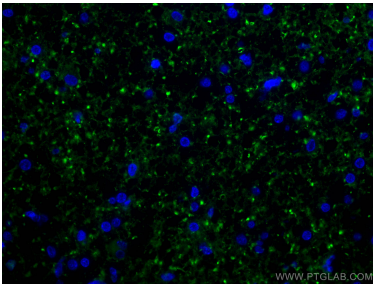
Y79 cells were subjected to SDS PAGE followed by western blot with 12495-1-AP (mu Crystallin antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas using 12495-1-AP (mu Crystallin antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human gliomas using 12495-1-AP (mu Crystallin antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed human gliomas tissue using Mu Crystallin antibody (12495-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).