

For Research Use Only



CoraLite®594-conjugated Mu Crystallin Polyclonal antibody

Catalog Number: **CL594-12495** 1 Publications

Basic Information

Catalog Number: CL594-12495	GenBank Accession Number: BC018061	Purification Method: Antigen affinity purification
Size: 1000 µg/ml	GeneID (NCBI): 1428	Recommended Dilutions: IF-P 1:50-1:500
Source: Rabbit	UNIPROT ID: Q14894	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Isotype: IgG	Full Name: crystallin, mu	
Immunogen Catalog Number: AG3161	Calculated MW: 314 aa, 34 kDa	
	Observed MW: 34 kDa	

Applications

Tested Applications: IF-P, FC (Intra)	Positive Controls: IF-P : human gliomas tissue,
Cited Applications: IF	
Species Specificity: human, mouse, rat	

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
Gabriel R Linares	36736291	Cell Stem Cell	IF

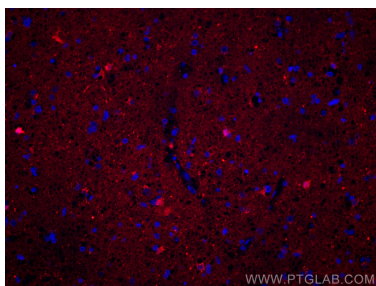
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

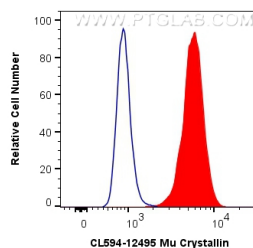
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human gliomas tissue using Coralite®594 Mu Crystallin antibody (CL594-12495) at dilution of 1:200.



1X10⁶ SH-SY5Y cells were intracellularly stained with 0.8 ug Coralite®594 Anti-Human Mu Crystallin (CL594-12495) (red), or 0.8 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).