

For Research Use Only

# CoraLite®594-conjugated Mu Crystallin Polyclonal antibody

Catalog Number: CL594-12495

1 Publications



## Basic Information

Catalog Number:

CL594-12495

Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3161

GenBank Accession Number:

BC018061

GeneID (NCBI):

1428

UNIPROT ID:

Q14894

Full Name:

crystallin, mu

Calculated MW:

314 aa, 34 kDa

Observed MW:

34 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF-P 1:50-1:500

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

## Applications

Tested Applications:

IF-P, FC (Intra)

Cited Applications:

IF

Species Specificity:

human, mouse, rat

Positive Controls:

IF-P : 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
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

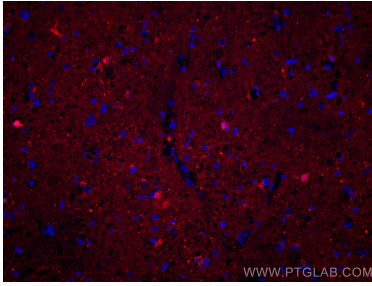
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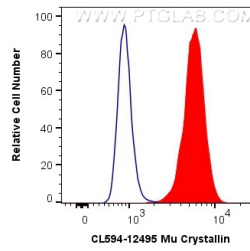
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## Selected Validation Data



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



1X10<sup>6</sup> 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).