

## mu Crystallin Polyclonal Antibody

Catalog number: 12495-1-AP

Size: 34 µg/150 µl

Source: Rabbit

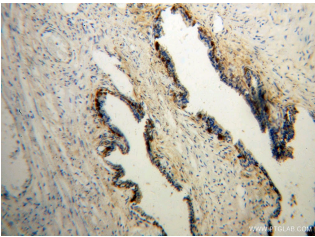
Isotype: IgG

Synonyms:

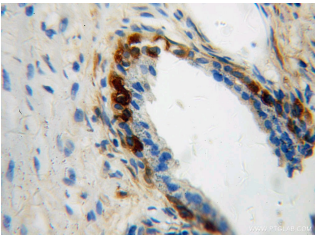
CRYM; CRYM, crystallin, mu,

DFNA40, mu Crystallin, Mu

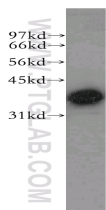
crystallin homolog, THBP



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



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



Y79 cells were subjected to SDS PAGE followed by western blot with 12495-1-AP (CRYM antibody) at dilution of 1:400

### Background

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.

### Applications

Tested applications:	ELISA, WB, IHC
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated mu Crystallin MW:	314aa, 34kd
Observed mu Crystallin MW:	34kd
Positive WB detected in	Y79 cells, human heart tissue, human kidney tissue
Positive IHC detected in	Human gliomas tissue
Recommended dilution:	WB: 1:1000-1:10000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag3161
GenBank accession number:	BC018061
Gene ID (NCBI):	1428
Full name:	Crystallin, mu

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.