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mu Crystallin Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56891

Specification

mu Crystallin Polyclonal Antibody - Product Information

Application	**IHC-P, IHC-F, IF, ICC, E**
Primary Accession	Q14894
Reactivity	**Rat, Pig, Cat, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**33776**

mu Crystallin Polyclonal Antibody - Additional Information

Gene ID 1428

Other Names
Ketimine reductase mu-crystallin, 1.5.1.25, NADP-regulated thyroid-hormone-binding protein, CRYM, THBP

Dilution
IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Storage
Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ℃.

mu Crystallin Polyclonal Antibody - Protein Information

Name CRYM (HGNC:2418)

Function
Catalyzes the NAD(P)H-dependent reduction of imine double bonds of a number of cyclic ketimine substrates, including sulfur- containing cyclic ketimines (PubMed:21332720, PubMed:25931162). Under physiological conditions, it efficiently catalyzes delta(1)- piperideine-2-carboxylate (P2C) and delta(1)-pyrroline-2-carboxylate (Pyr2C) reduction, suggesting a central role in lysine and glutamate metabolism (PubMed:25931162). Additional substrates are delta(2)- thiazoline-2-carboxylate (T2C), 3,4-dehydrothiomorpholine-3-carboxylate (AECK), and (R)-lanthionine ketimine (LK) that is reduced at very low rate compared to other substrates (PubMed:25931162). Also catalyzes the NAD(P)H-dependent reduction of (S)-cystathionine ketimine (CysK) (By similarity).

Cellular Location
Cytoplasm.

Tissue Location
Expressed in neural tissues, muscle and kidney (PubMed:1384048). Expressed in the inner ear (PubMed:12471561)

mu Crystallin Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

mu Crystallin Polyclonal Antibody - Images