

Rabbit anti-Human CRYM Polyclonal Antibody | anti-CRYM antibody

CRYM Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA234459	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

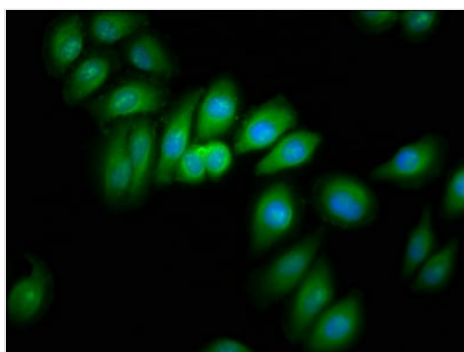
PRODUCT SYNONYMS

CRYM; Polyclonal Antibody; CRYM Antibody; Ketimine reductase mu-crystallin; NADP-regulated thyroid-hormone-binding protein; THBP; anti-CRYM antibody

PRODUCT SPECIFICATIONS

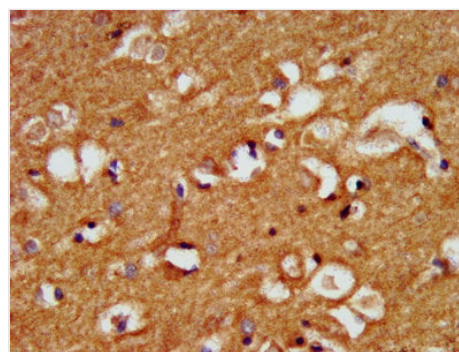
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	314
Applicable Applications for anti-CRYM antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Ketimine reductase mu-crystallin protein (169-258AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



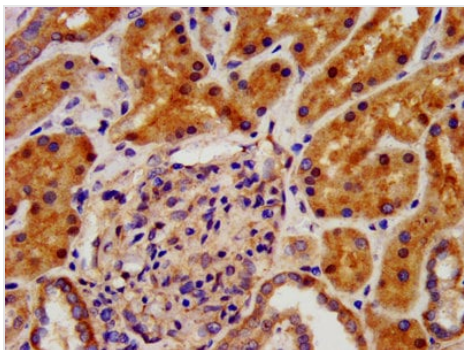
IHC (Immunohistochemistry)

Immunofluorescence staining of A549 cells with AAA234459 at 1:166, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



IHC (Immunohistochemistry)

IHC image of AAA234459 diluted at 1:500 and staining in paraffin-embedded human brain tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



IHC (Immunohistochemistry)
 IHC image of AAA234459 diluted at 1:500 and staining in paraffin-embedded human kidney tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

ADDITIONAL INFORMATION

Related Product Information for anti-CRYM antibody	Specifically catalyzes the reduction of imine bonds in brain substrates that may include cystathionine ketimine (CysK) and lanthionine ketimine (LK). Binds thyroid hormone which is a strong reversible inhibitor. Presumably involved in the regulation of the free intracellular concentration of triiodothyronine and access to its nuclear receptors.
Product Categories/Family for anti-CRYM antibody	Neuroscience; Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503065
NCBI GeneID	1428
NCBI Accession #	NP_001879.1
NCBI GenBank Nucleotide #	NM_001888.4
UniProt Accession #	Q14894; Q5HYB7; D5MNX0
Molecular Weight	33,776 Da
NCBI Official Full Name	ketimine reductase mu-crystallin
NCBI Official Synonym Full Names	crystallin mu
NCBI Official Symbol	CRYM
NCBI Official Synonym Symbols	THBP; DFNA40
NCBI Protein Information	ketimine reductase mu-crystallin
UniProt Protein Name	Ketimine reductase mu-crystallin
UniProt Gene Name	CRYM
UniProt Synonym Gene Names	THBP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.