Mouse anti-Human CRYM Monoclonal Antibody | anti-CRYM antibody

CRYM (Thiomorpholine-carboxylate Dehydrogenase, Mu-crystallin Homolog, NADP-regulated Thyroid-hormone-binding Protein, Ketimine Reductase, THBP) APC

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA24473	**Mouse**	**Human**	**ELISA, Immunohistochemistry, Immunoprecipitation, Western Blot**

PRODUCT SYNONYMS

CRYM; Monoclonal Antibody; CRYM (Thiomorpholine-carboxylate Dehydrogenase; Mu-crystallin Homolog; NADP-regulated Thyroid-hormone-binding Protein; Ketimine Reductase; THBP) APC; anti-CRYM antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	6B3
Specificity	Recognizes human CRYM.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Applicable Applications for anti-CRYM antibody	ELISA, IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Application Notes	IHC-P: 3ug/ml Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa215-314 from human CRYM (NP_001879) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	EWVKPGAHINAVGASRPDWRELDDELMKEAVLYVDSQEAALKESGDVLLSGAEIFAELGEVIKGVKPAHCEKTTVFKSLGMAVEDTVAAKLIYDSWSSGK
Conjugate	APC
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.

IMAGES

WB (Western Blot)
CRYM monoclonal antibody, Western Blot analysis of CRYM expression in Jurkat.

Application Data
Detection limit for recombinant GST tagged CRYM is ~0.03ng/ml as a capture antibody.

IP (Immunoprecipitation)
Immunoprecipitation of CRYM transfected lysate using CRYM monoclonal antibody and Protein A Magnetic Bead and immunoblotted with CRYM rabbit polyclonal antibody.

IHC (Immunohistochemistry)
Immunoperoxidase of monoclonal antibody to CRYM on formalin-fixed paraffin-embedded human skeletal muscle. [antibody concentration 3ug/ml].

WB (Western Blot)
Western Blot analysis of CRYM expression in transfected 293T cell line by CRYM monoclonal antibody. Lane 1: CRYM transfected lysate (33.8kD). Lane 2: Non-transfected lysate.

WB (Western Blot)
Western Blot detection against Immunogen (36.74kD).

ADDITIONAL INFORMATION

Product Categories/Family for anti-CRYM antibody	Antibodies; Enzymes; Dehydrogenase
References	1. The FSHD Atrophic Myotube Phenotype Is Caused by DUX4 Expression. Vanderplanck C, Ansseau E, Charron S, Stricwant N, Tassin A, Laoudj-Chenivesse D, Wilton SD, Coppee F, Belayew A.PLoS One. 2011;6(10):e26820. Epub 2011 Oct 28. 2. Proteomic Analysis Illuminates a Novel Structural Definition of the Claustrum and Insula. Mathur BN, Caprioli RM, Deutch AY.Cereb Cortex. 2009 Oct;19(10):2372-9. Epub 2009 Jan 23. 3. Abnormal expression of mu-crystallin in facioscapulohumeral muscular dystrophy. Reed PW, Corse AM, Porter NC, Flanigan KM, Bloch RJ.Exp Neurol. 2007 Jun;205(2):583-6. Epub 2007 Mar 21.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503065
NCBI GeneID	1428
NCBI Accession #	NP_001879
NCBI GenBank Nucleotide #	NM_001888
UniProt Accession #	Q14894; Q5HYB7; D5MNX0
Molecular Weight	35.9 kDa (334aa), confirmed by MALDI-TOF
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
UniProt Entry Name	CRYM_HUMAN

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.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/crym-antibody-clone-6b3-immunohistochemistry-immunoprecipitation-western-blot-elisa/24473