

Datasheet for ABIN2784721
anti-CRYM antibody (N-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	CRYM
Binding Specificity:	N-Term
Reactivity:	Human, Cow
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human CRYM
Sequence:	ALTTKLVTIFY EDRGITSVVP SHQATVLLFE PSNGTLLAVM DGNVITAKRT
Predicted Reactivity:	Cow: 79%, Human: 100%
Characteristics:	This is a rabbit polyclonal antibody against CRYM. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	CRYM
Alternative Name:	CRYM (CRYM Products)
Background:	Crystallins are separated into two classes: taxon-specific and ubiquitous. The former class is

Target Details

also called phylogenetically-restricted crystallins. The latter class constitutes the major proteins of vertebrate eye lens and maintains the transparency and refractive index of the lens. This gene encodes a taxon-specific crystallin protein that binds NADPH and has sequence similarity to bacterial ornithine cyclodeaminases. The encoded protein does not perform a structural role in lens tissue, and instead it binds thyroid hormone for possible regulatory or developmental roles. Mutations in this gene have been associated with autosomal dominant non-syndromic deafness. Multiple alternatively spliced transcript variants have been found for this gene.

Alias Symbols: DFNA40, THBP

Protein Interaction Partner: TERF1, C7orf25, CDC37,

Protein Size: 314

Molecular Weight: 34 kDa

Gene ID: 1428

NCBI Accession: [NM_001888](#), [NP_001879](#)

UniProt: [Q14894](#)

Pathways: [Hormone Transport](#), [Sensory Perception of Sound](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 314 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

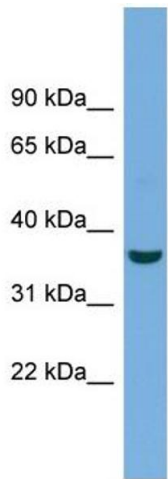
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

Handling

Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-CRYM Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:1562500

Positive Control: Human heart