10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CRYM Antibody (clone 1G7)

Mouse Monoclonal Antibody
Catalog # ALS16586

Specification

CRYM Antibody (clone 1G7) - Product Information

Application	**IHC, IF, WB, FC**
Primary Accession	Q14894
Other Accession	1428
Reactivity	**Human, Rat**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG2b**
Calculated MW	**33776**

CRYM Antibody (clone 1G7) - Additional Information

Gene ID 1428

Other Names
CRYM, Crystallin, mu, Ketimine reductase, Mu-crystallin homolog, THBP, DFNA40

Target/Specificity
Human CRYM

Reconstitution & Storage
PBS, pH 7.3, 1% BSA, 50% glycerol, 0.02% sodium azide. Store at -20°C. Minimize freezing and thawing.

Precautions
CRYM Antibody (clone 1G7) is for research use only and not for use in diagnostic or therapeutic procedures.

CRYM Antibody (clone 1G7) - Protein Information

Name CRYM

Synonyms THBP

Function
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.

Cellular Location
Cytoplasm.

Tissue Location
Expressed in neural tissue, muscle and kidney.

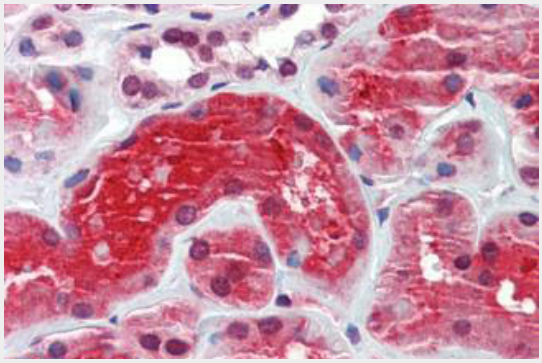
Volume
50 µl

CRYM Antibody (clone 1G7) - Protocols

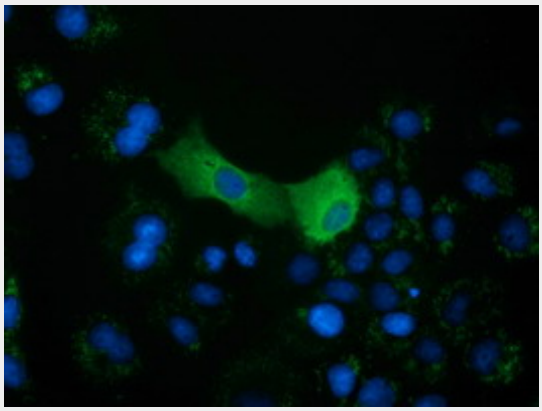
Provided below are standard protocols that you may find useful for product applications.

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

CRYM Antibody (clone 1G7) - Images

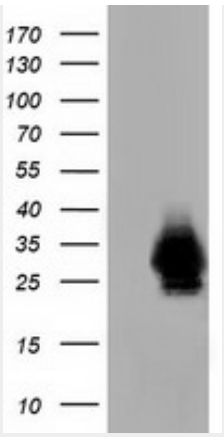


Anti-CRYM antibody IHC staining of human kidney.

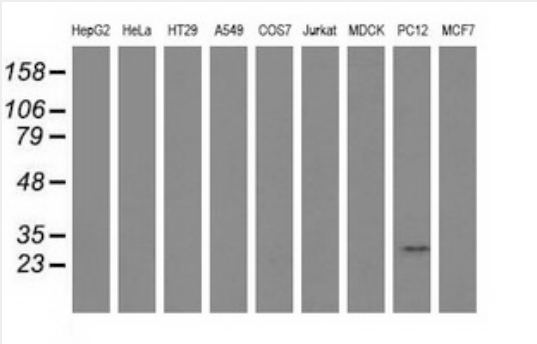


Anti-CRYM mouse monoclonal antibody immunofluorescent staining of COS7 cells transiently...

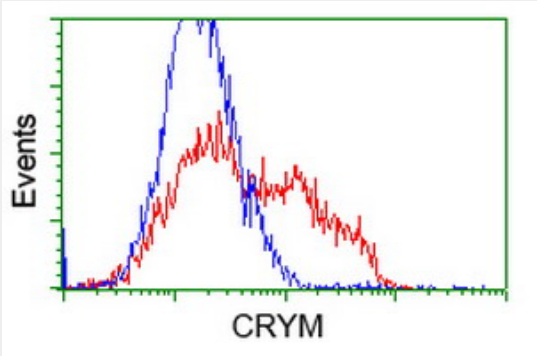
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HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CRYM...



Western blot of extracts (35 ug) from 9 different cell lines by using anti-CRYM monoclonal antibody.



HEK293T cells transfected with either overexpress plasmid (Red) or empty vector control plasmid...

CRYM Antibody (clone 1G7) - Background

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.

CRYM Antibody (clone 1G7) - References

Segovia L.,et al.Mol. Vis. 3:9-9(1997).
Vie M.-P.,et al.Mol. Endocrinol. 11:1728-1736(1997).

Sperbeck S.J.,et al.Submitted (DEC-1997) to the EMBL/GenBank/DDBJ databases.
Loftus B.J.,et al.Genomics 60:295-308(1999).
Ota T.,et al.Nat. Genet. 36:40-45(2004).