Human/Mouse CRY1 Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF3764

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human and mouse CRY1 in direct ELISAs and Western Blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human CRY1 Lys115-His224 Accession # Q16526
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 μm filtered solution in PBS.

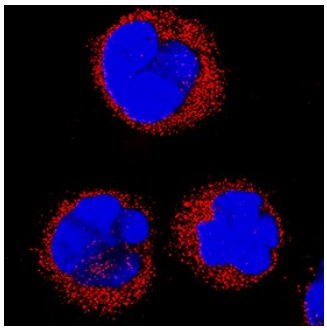
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Human CRY1 Recombinant Mouse CRY1
Immunocytochemistry	5-15 µg/mL	See Below
Immunohistochemistry	5-15 µg/mL	Perfusion fixed frozen sections of mouse testis

DATA

Immunocytochemistry



CRY1 in MOLT-4 Human Cell Line. CRY1 was detected in immersion fixed MOLT-4 human acute lymphoblastic leukemia cell line using Goat Anti-Human/Mouse CRY1 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3764) at 5 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Goat IgG Secondary Antibody (red; Catalog # NL001) and counterstained with DAPI (blue). Specific staining was localized to nuclei and cytoplasm. View our protocol for Fluorescent ICC Staining of Non-adherent Cells.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

CRY1 is a critical component of the circadian oscillator that represses CLOCK:BMAL1 mediated transcription when translocated into the nucleus. It is a member of the DNA photolyase family but has no photolyase activity. Over the region used as immunogen, human and mouse CRY1 share 94% amino acid sequence homology.

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