

Rabbit CRY2 Polyclonal Antibody | anti-CRY2 antibody

CRY2 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA200246	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep, Zebrafish	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

CRY2; Polyclonal Antibody; CRY2 antibody - N-terminal region; anti-CRY2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: IE LNGQKPPLTY KRFQAIISRM ELPKKPVGLV TSQQMESCR AEIQENHDE
Sequence Length	593
Applicable Applications for anti-CRY2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Sheep: 100%; Zebrafish: 86%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human CRY2
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

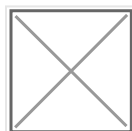
IMAGES



WB (Western Blot)

WB Suggested Anti-CRY2 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:62500
Positive Control: U937 cell lysate


WB (Western Blot)

Host: Rabbit
Target Name: CRY2
Sample Tissue: Human RPMI 8226 Whole Cell
Antibody Dilution: 1ug/ml


IHC (Immunohistochemistry)

Rabbit Anti-CRY2 Antibody
Formalin Fixed Paraffin Embedded Tissue: Human heart
Tissue Observed Staining: Cytoplasmic
Primary Antibody Concentration: 1:1000
Other Working Concentrations: N/A
Secondary Antibody: Donkey anti-Rabbit-Cy3
Secondary Antibody Concentration: 1:200
Magnification: 20X
Exposure Time: 0.5 - 2.0 sec

ADDITIONAL INFORMATION

Related Product Information for anti-CRY2 antibody	This is a rabbit polyclonal antibody against CRY2. It was validated on Western Blot using a cell lysate as a positive control. Target Description: CRY2 is a blue light-dependent regulator of the circadian feedback loop.CRY2 inhibits CLOCK NPAS2-ARNTL E box-mediated transcription. CRY2 acts, in conjunction with CRY2, in maintaining period length and circadian rhythmicity.CRY2 has no photolyase activity. CRY2 is capable of translocating circadian clock core proteins such as PER proteins to the nucleus.CRY2 may inhibit CLOCK NPAS2-ARNTL transcriptional activity through stabilizing the unphosphorylated form of ARNTL.
Product Categories/Family for anti-CRY2 antibody	Polyclonal; Transcription Regulation; Various; DNA Repair; Transcription Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	118572252
NCBI GeneID	1408
NCBI Accession #	NP_066940
NCBI GenBank Nucleotide #	NM_021117
UniProt Accession #	Q49AN0
Molecular Weight	67kDa
NCBI Official Full Name	Cryptochrome-2
NCBI Official Synonym Full Names	cryptochrome circadian regulator 2
NCBI Official Symbol	CRY2
NCBI Official Synonym Symbols	HCRY2; PHLL2
NCBI Protein Information	cryptochrome-2
UniProt Protein Name	Cryptochrome-2
UniProt Gene Name	CRY2
UniProt Synonym Gene Names	KIAA0658
UniProt Entry Name	CRY2_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/polyclonal/cry2-antibody-immunohistochemistry-western-blot-elisa/200246>