

CRY2 Polyclonal Antibody | anti-CRY2 antibody

Anti-CRY2 Antibody

CATALOG # AAA46334	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
------------------------------	--	---

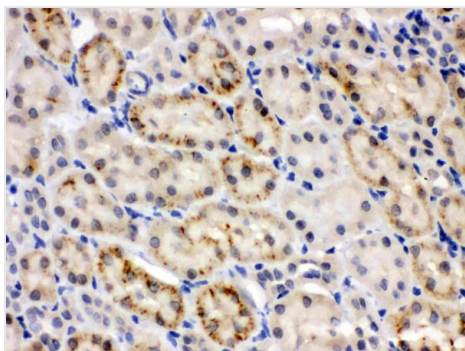
PRODUCT SYNONYMS

CRY2; Polyclonal Antibody; Anti-CRY2 Antibody; Cryptochrome-2; cry2; CRY2_HUMAN; cryptochrome 2 (photolyase like); Cryptochrome 2; FLJ10332; growth inhibiting protein 37; HCRY2; KIAA0658; PHLL2; Photolyase like; cryptochrome circadian clock 2; anti-CRY2 antibody

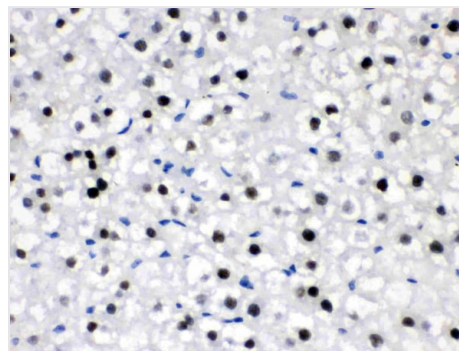
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	532
Applicable Applications for anti-CRY2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human CRY2 (171-200aa RFQAIISRMELPKKPVGLVTSQQMESCAE), different from the related mouse and rat sequences by five amino acids.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

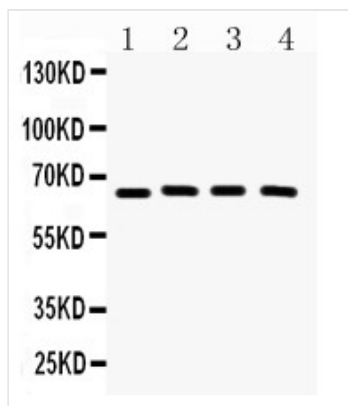
IMAGES



IHC (Immunohistochemistry)
Anti- CRY2 Picoband antibody, AAA46334,IHC(P)IHC(P): Mouse Kidney Tissue



IHC (Immunohistochemistry)
Anti- CRY2 Picoband antibody, AAA46334,IHC(P)IHC(P): Rat Liver Tissue



WB (Western Blot)

Anti- CRY2 Picoband antibody, AAA46334, Western blottingAll lanes: Anti CRY2 (AAA46334) at 0.5ug/mlLane 1: Rat Testis Tissue Lysate at 50ugLane 2: Rat Brain Tissue Lysate at 50ugLane 3: Mouse Brain Tissue Lysate at 50ugLane 4: 22RV1 Whole Cell Lysate at 40ugPredicted bind size: 67KDObserved bind size: 67KD

ADDITIONAL INFORMATION

Related Product Information for anti-CRY2 antibody	Description: Rabbit IgG polyclonal antibody for Cryptochrome-2(CRY2) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: This gene encodes a flavin adenine dinucleotide-binding protein that is a key component of the circadian core oscillator complex, which regulates the circadian clock. And it is upregulated by CLOCK/ARNTL heterodimers but then represses this upregulation in a feedback loop using PER/CRY heterodimers to interact with CLOCK/ARNTL. Polymorphisms in this gene have been associated with altered sleep patterns. The encoded protein is widely conserved across plants and animals. Two transcript variants encoding different isoforms have been found for this gene.
References	1. Kovanen L, Kaunisto M, Donner K, Saarikoski ST, Partonen T. "CRY2 genetic variants associate with dysthymia." PLoS One, 2013. 2. Mao Y, Fu A, Hoffman AE, Jacobs DI, Jin M, Chen K, Zhu Y. "The circadian gene CRY2 is associated with breast cancer aggressiveness possibly via epigenomic modifications." Tumour Biol, 2015 May.

NCBI AND UNIPROT INFORMATION

NCBI GI #	188536103
NCBI GeneID	1408
NCBI Accession #	NP_001120929.1
NCBI GenBank Nucleotide #	NM_001127457.2
UniProt Accession #	Q49AN0 ; O75148 ; Q8IV71 ; B4DH32 ; B4DZD6
Molecular Weight	60,593 Da
NCBI Official Full Name	cryptochrome-2 isoform 2
NCBI Official Synonym Full Names	cryptochrome circadian clock 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

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/cry2-antibody-immunohistochemistry-western-blot-elisa/46334>