

Rabbit CRY1 Polyclonal Antibody | anti-CRY1 antibody

CRY1 Polyclonal Antibody

CATALOG # AAA281137	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
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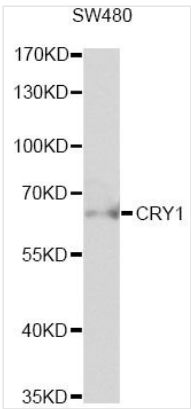
PRODUCT SYNONYMS

CRY1; Polyclonal Antibody; CRY1 Polyclonal Antibody; DSPD; PHLL1; anti-CRY1 antibody

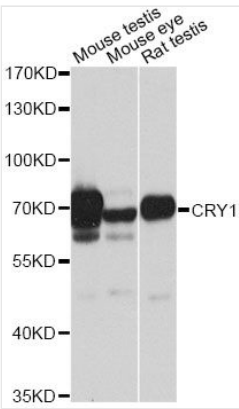
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Sequence	MGVNAVHWFR KGLRLHDNPA LKECIQGADT IRCVYILDPW FAGSSNVGIN RWRFLQCLE DLDANLRKLN SRLFVIRGQP ADVFPRLFKE WNITKLSIEY DSEFPGKERD AAIKKLATEA GVEVIVRISH TLYDLDKIIE LNGGQPPLTY KRFQTLISKM EPLEIPVETI TSEVIEKCTT PLSDDHDEKY GVPSLEELGF DTDGLSSAVW PGGETEALTR LERHLERKAW VANFERPRMN ANSLLASPTG LSPYL
Sequence Length	586
Applicable Applications for anti-CRY1 antibody	WB (Western Blot)
Immunogen	Recombinant protein of human CRY1
Immunogen Species	Human
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Cellular Location	Cytoplasm, Nucleus
Positive Samples	SW480, Mouse testis, Mouse eye, Rat testis
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of extracts of SW480 cells, using CRY1 antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 60s.



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using CRY1 antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 30s.

ADDITIONAL INFORMATION

Related Product Information for anti-CRY1 antibody	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. This gene 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. Loss of the related gene in mouse results in a shortened circadian cycle in complete darkness.
Product Categories/Family for anti-CRY1 antibody	Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758072
NCBI GeneID	1407
NCBI Accession #	NP_004066.1
NCBI GenBank Nucleotide #	NM_004075.4
UniProt Accession #	Q16526
Molecular Weight	Calculated: 66kDa Observed: 70kDa
NCBI Official Full Name	cryptochrome-1
NCBI Official Synonym Full Names	cryptochrome circadian regulator 1
NCBI Official Symbol	CRY1
NCBI Official Synonym Symbols	DSPD; PHLL1
NCBI Protein Information	cryptochrome-1
UniProt Protein Name	Cryptochrome-1
UniProt Gene Name	CRY1
UniProt Synonym Gene Names	PHLL1

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/cry1-antibody-western-blot-elisa/281137>