

Rabbit PER1 Polyclonal Antibody | anti-PER1 antibody

PER1 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA280555	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, ELISA, Western Blot

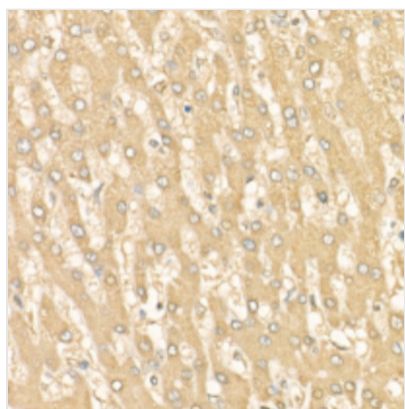
PRODUCT SYNONYMS

PER1; Polyclonal Antibody; PER1 Polyclonal Antibody; anti-PER1 antibody

PRODUCT SPECIFICATIONS

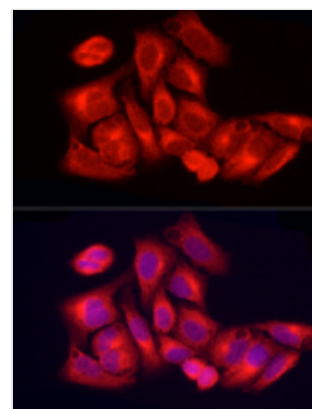
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Sequence Length	1290
Applicable Applications for anti-PER1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-200 of human PER1 (NP_002607.2).
Preparation and Storage	Store at -20°C. Avoid freeze / thaw cycles.

IMAGES



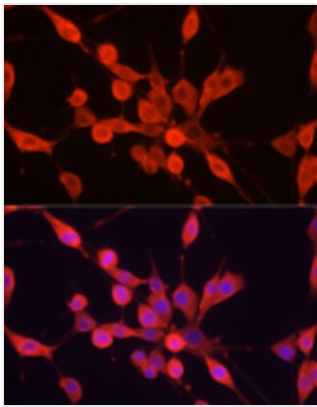
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse stomach using PER1 antibody at dilution of 1:100 (40x lens).



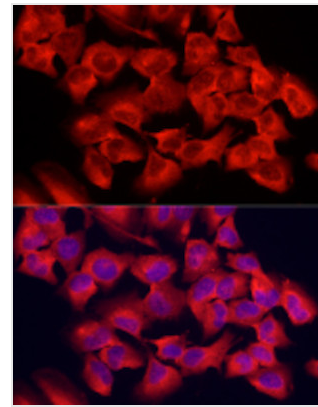
IF (Immunofluorescence)

Immunofluorescence analysis of U-2OS cells using PER1 Rabbit pAb (AAA280555) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



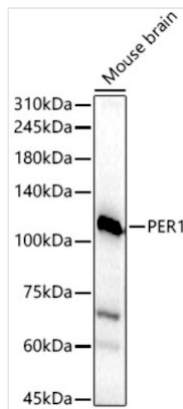
IF (Immunofluorescence)

Immunofluorescence analysis of NIH/3T3 cells using PER1 Rabbit pAb (AAA280555) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cells using PER1 Rabbit pAb (A8449) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of Mouse brain, using PER1 antibody (AAA280555) 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.

ADDITIONAL INFORMATION

Related Product Information for anti-PER1 antibody

This gene is a member of the Period family of genes and is expressed in a circadian pattern in the suprachiasmatic nucleus, the primary circadian pacemaker in the mammalian brain. Genes in this family encode components of the circadian rhythms of locomotor activity, metabolism, and behavior. 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 may increase the risk of getting certain cancers. Alternative splicing has been observed in this gene; however, these variants have not been fully described.

NCBI AND UNIPROT INFORMATION

NCBI GI #	194097341
NCBI GeneID	5187
NCBI Accession #	NP_002607.2
NCBI GenBank Nucleotide #	NM_002616.2
UniProt Accession #	O15534; B2RPA8; B4DI49; D3DTR3
Molecular Weight	Observed MW: 136kDa Calculated MW: 136kDa
NCBI Official Full Name	period circadian protein homolog 1
NCBI Official Synonym Full Names	period circadian clock 1

NCBI Official Symbol	PER1
NCBI Official Synonym Symbols	PER; hPER; RIGUI
NCBI Protein Information	period circadian protein homolog 1
UniProt Protein Name	Period circadian protein homolog 1
UniProt Gene Name	PER1
UniProt Synonym Gene Names	KIAA0482; PER; RIGUI; hPER1
UniProt Entry Name	PER1_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/per1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/280555>