

PER1 Rabbit Polyclonal Antibody

Catalog No: #55519

Package Size: #55519-1 50ul #55519-2 100ul

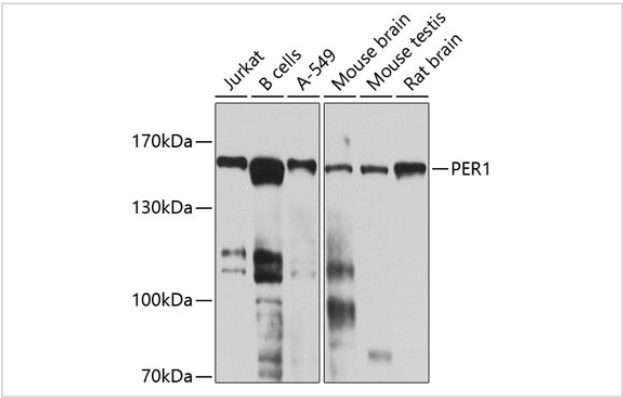
Description

Product Name	PER1 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human PER1 (NP_002607.2).
Conjugates	Unconjugated
Other Names	PER1;PER;RIGUI;hPER
Accession No.	Swiss Prot:O15534GenelD:5187
Calculated MW	91kDa/136kDa
SDS-PAGE MW	160kDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

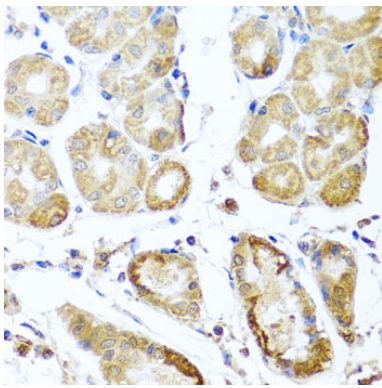
Application Details

WB 1:500 - 1:2000IHC 1:50 - 1:100IF 1:50 - 1:200

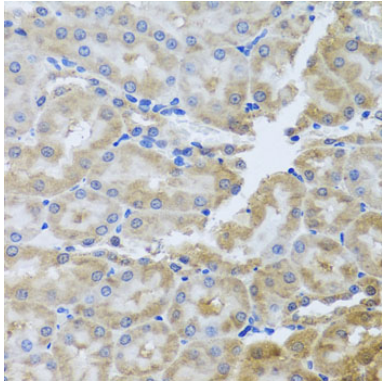
Images



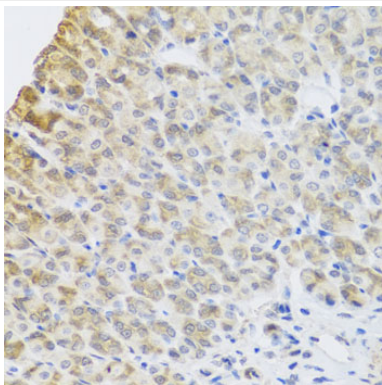
Western blot analysis of extracts of various cell lines, using PER1 at 1:1000 dilution.



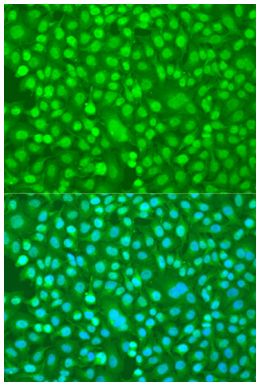
Immunohistochemistry of paraffin-embedded human stomach using PER1 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded rat kidney using PER1 at dilution of 1:100 (40x lens).



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



Immunofluorescence analysis of U2OS cells using PER1 at dilution of 1:100. Blue: DAPI for nuclear staining.

Background

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.