Datasheet for ABIN6145450

anti-PER2 antibody (AA 1-150)

6 Images

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Overview

Quantity:	100 µL
Target:	PER2
Binding Specificity:	AA 1-150
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PER2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Chromatin Immunoprecipitation (ChIP)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-150 of human PER2 (NP_073728.1).
Sequence:	MNGYAEFPPS PSNPTKEPVE PQPSQVPLQE DVDMSSGSSG HETNENCSTG RDSQGSDCDD SGKELGMLVE PPDARQSPDT FSLMMAKSEH NPSTSGCSSD QSSKVDTHKE LIKTLKELKV HLPADKKAKG KASTLATLKY ALRSVKQVKA
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	PER2

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Target Details

Alternative Name:	PER2 (PER2 Products)
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 and have been linked to sleep disorders.,PER2,FASPS,FASPS1,Epigenetics & Nuclear Signaling,Cancer,Signal Transduction,Endocrine & Metabolism,Neuroscience,Cardiovascular,Blood,Blood Pressure regulation,PER2
Molecular Weight:	45 kDa/136 kDa
Gene ID:	8864
UniProt:	O15055

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,ChIP,1:50 - 1:200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

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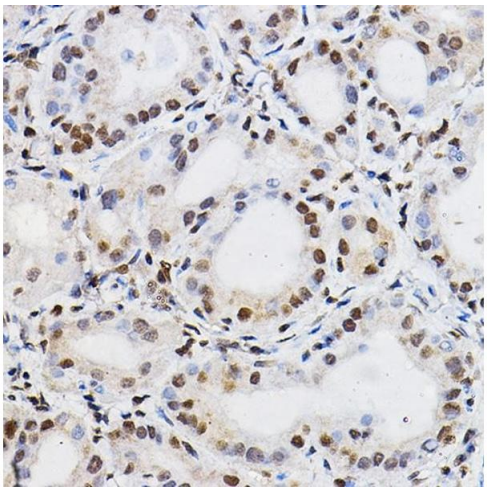
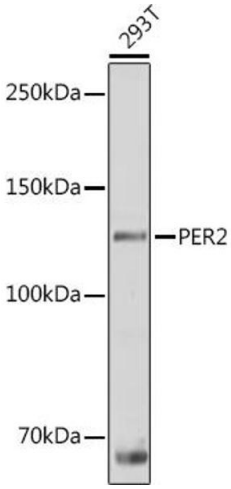


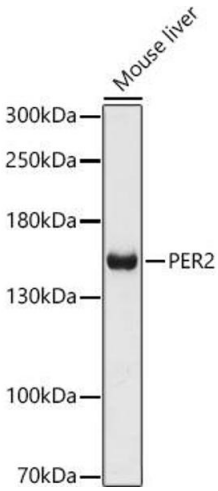
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human thyroid cancer using PER2 Rabbit pAb (ABIN6131889, ABIN6145450, ABIN6145452 and ABIN6217063) at dilution of 1:100 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of 293T cells, using PER2 antibody (ABIN6131889, ABIN6145450, ABIN6145452 and ABIN6217063) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 10s.



Western Blotting

Image 3. Western blot analysis of extracts of Mouse liver, using PER2 antibody (ABIN6131889, ABIN6145450, ABIN6145452 and ABIN6217063) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 90s.

Please check the product details page for more images. Overall 6 images are available for ABIN6145450.