

Datasheet for ABIN2787442
anti-PER1 antibody (N-Term)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	PER1
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse, Horse, Guinea Pig, Cow, Dog, Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PER1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N-terminal region of human PER1
Sequence:	SGPLEGADGG G DPRPGESFC PGGVPSPGPP QHRPCGPSL ADDTDANSNG
Predicted Reactivity:	Cow: 92%, Dog: 93%, Guinea Pig: 86%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against PER1. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	PER1
Alternative Name:	PER1 (PER1 Products)

Target Details

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. Alias Symbols: PER, hPER, RIGUI Protein Size: 294
Molecular Weight:	32 kDa
Gene ID:	5187
NCBI Accession:	NM_002616 , NP_002607
UniProt:	O15534
Pathways:	Photoperiodism

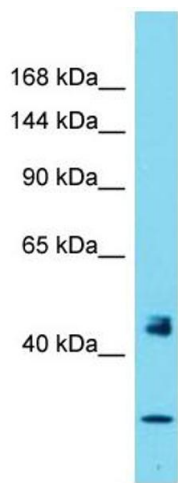
Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeat freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.



Western Blotting

Image 1.