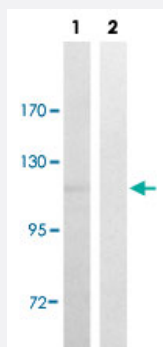


PER2 (phospho S662) polyclonal antibody

Catalog # PAB29636

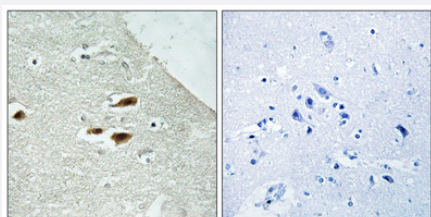
Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of Lane 1: Untreated NIH/3T3 cell lysates, Lane 2: Synthesized peptide treated NIH/3T3 cell lysates reacted with PER2 (phospho S662) polyclonal antibody (Cat # PAB29636) at 1:500-1:3000 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded human brain tissue reacted with PER2 (phospho S662) polyclonal antibody (Cat # PAB29636) at 1:50-1:100 dilution. The picture on the right is treated with the synthesized peptide.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of human PER2.
Immunogen	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding S662 of human PER2.
Host	Rabbit
Theoretical MW (kDa)	120
Reactivity	Human, Mouse

Specificity	PER2 (phospho S662) polyclonal antibody detects endogenous levels of human PER2 only when phosphorylated at serine 662.
Form	Liquid
Purification	Affinity chromatography
Recommend Usage	Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:3000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (without Mg^{2+} and Ca^{2+}), 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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Gene Info — PER2

Entrez GeneID	8864
Protein Accession#	O15055
Gene Name	PER2
Gene Alias	FASPS, KIAA0347
Gene Description	period homolog 2 (Drosophila)
Omim ID	603426 604348
Gene Ontology	Hyperlink

Gene Summary

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. Circadian expression in the suprachiasmatic nucleus continues in constant darkness, and a shift in the light/dark cycle evokes a proportional shift of gene expression in the suprachiasmatic nucleus. The specific function of this gene is not yet known. [provided by RefSeq]

Other Designations

period 2|period circadian protein 2|period, Drosophila, homolog of, 2

Pathway

- [Circadian rhythm - mammal](#)

Disease

- [Alcoholism](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Behavior Therapy](#)
- [Bipolar Disorder](#)
- [Cardiovascular Diseases](#)
- [Chronobiology Disorders](#)
- [Cocaine-Related Disorders](#)
- [Cognitive Therapy](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Interview](#)
- [Mood Disorders](#)
- [NARP](#)

- [Obesity](#)
- [Paranoid Disorders](#)
- [Prostatic Neoplasms](#)
- [Psychiatric Status Rating Scales](#)
- [Psychotic Disorders](#)
- [Schizophrenia](#)
- [Sleep Disorders](#)
- [Weight Loss](#)