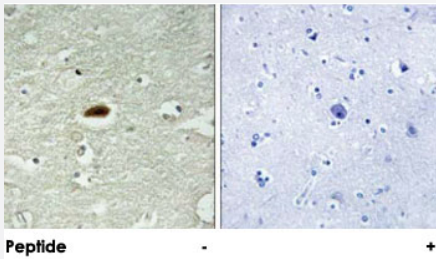


PER2 polyclonal antibody

Catalog # PAB18439 Size 100 ug

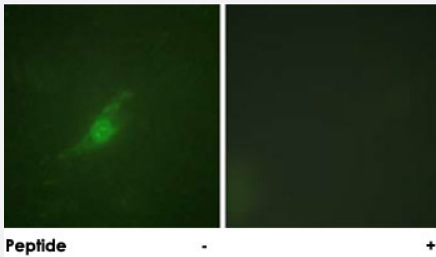
Applications



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

Immunohistochemical analysis of paraffin-embedded human brain tissue using PER2 polyclonal antibody (Cat # PAB18439).

Peptide "+" means "peptide blocking".



Immunofluorescence

Immunofluorescence analysis of NIH/3T3 cells, using PER2 polyclonal antibody (Cat # PAB18439).

Peptide "+" means "peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PER2.
Immunogen	A synthetic peptide corresponding to human PER2.
Host	Rabbit
Reactivity	Human, Mouse
Specificity	This antibody is specific to PER2.
Form	Liquid
Purification	Affinity purification

Concentration	1 mg/mL
Recommend Usage	Immunohistochemistry (1:50-1:100) Immunofluorescence (1:500-1:1000) ELISA (1:20000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM 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

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

Immunohistochemical analysis of paraffin-embedded human brain tissue using PER2 polyclonal antibody (Cat # PAB18439).
Peptide "+" means "peptide blocking".

- Immunofluorescence

Immunofluorescence analysis of NIH/3T3 cells, using PER2 polyclonal antibody (Cat # PAB18439).
Peptide "+" means "peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

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](#)