Anti-PER2 antibody

Cat. No.	ml262035
Package	25 μl/100 μl/200 μl
Storage	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product overview

Description	Anti-PER2 rabbit polyclonal antibody
Applications	ELISA, IHC
Immunogen	Synthetic peptide of human PER2
Reactivity	Human
Content	0.6 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	PER2
Full name	period circadian clock 2
Synonyms	FASPS; FASPS1
Swissprot	O15055

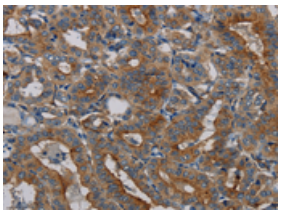
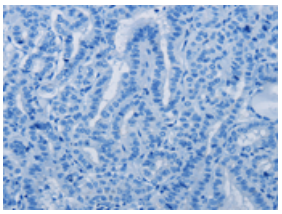
Target Background

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.

Applications

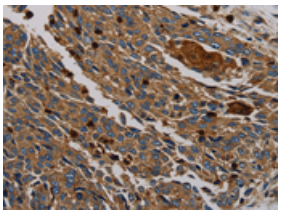
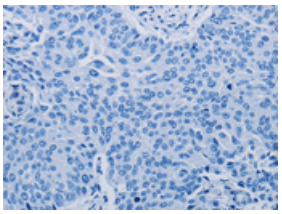
Immunohistochemistry

Predicted cell location: Cytoplasm
Positive control: Human thyroid cancer
Recommended dilution: 100-300

The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ml262035(PER2 Antibody) at dilution 1/50, on the right is treated with synthetic peptide. (Original magnification: ×200)

Predicted cell location: Cytoplasm
Positive control: Human lung cancer
Recommended dilution: 100-300

The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using ml262035(PER2 Antibody) at dilution 1/50, on the right is treated with synthetic peptide. (Original magnification: ×200)

ELISA

Recommended dilution: 2000-10000

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