Elabscience®

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PER3 Polyclonal Antibody

Catalog No.	E-AB-52923	**Reactivity**	H,M,R
Storage	Store at -20℃. Avoid freeze / thaw cycles.	**Host**	Rabbit
Applications	IHC,ELISA	**Isotype**	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Images
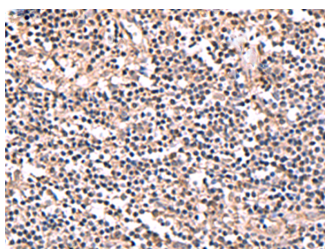
Immunohistochemistry of paraffin-embedded Human tonsil tissue using PER3 Polyclonal Antibody at dilution of 1:70(×200)
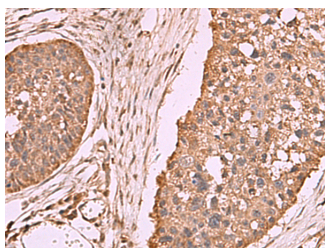
Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using PER3 Polyclonal Antibody at dilution of 1:70(×200)

Immunogen Information

Immunogen	Fusion protein of human PER3
Gene Accession	BC026102
Swissprot	P56645
Synonyms	hPER3,mPer3,Per3,PER3,Period 3,Period homolog 3,Drosophila,Period3

Product Information

Buffer	PBS with 0.05% NaN3 and 40% Glycerol,pH7.4
Purify	Antigen affinity purification
Dilution	IHC 1:50-1:300, ELISA 1:5000-1:10000

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 have been linked to sleep disorders. Multiple transcript variants encoding different isoforms have been found for this gene.