

PER2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant PER2. Catalog # AT3269a

Specification

PER2 Antibody (monoclonal) (M01) - Product Information

Application WB, IHC, IF, E **Primary Accession** 015055 Other Accession NM 022817 Reactivity Human Host Mouse Clonality **Monoclonal** Isotype IgG2b Kappa Calculated MW 136579

PER2 Antibody (monoclonal) (M01) - Additional Information

Gene ID 8864

Other Names

Period circadian protein homolog 2, hPER2, Circadian clock protein PERIOD 2, PER2, KIAA0347

Target/Specificity

PER2 (NP_073728, 1 a.a. \sim 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000 IHC~~1:100~500 IF~~1:50~200 E~~N/A

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2.

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

PER2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

PER2 Antibody (monoclonal) (M01) - Protocols

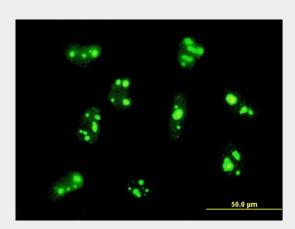
Provided below are standard protocols that you may find useful for product applications.

• Western Blot

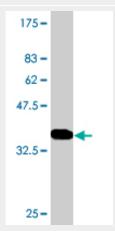


- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

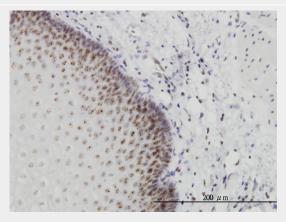
PER2 Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to PER2 on HeLa cell . [antibody concentration 10 ug/ml]

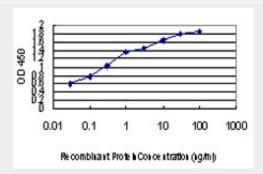


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .





Immunoperoxidase of monoclonal antibody to PER2 on formalin-fixed paraffin-embedded human esophagus. [antibody concentration 1 ug/ml]



Detection limit for recombinant GST tagged PER2 is approximately 0.03ng/ml as a capture antibody.

PER2 Antibody (monoclonal) (M01) - 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. 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.

PER2 Antibody (monoclonal) (M01) - References

1.Prognostic relevance of Period1 (Per1) and Period2 (Per2) expression in human gastric cancer.Zhao H, Zeng ZL, Yang J, Jin Y, Qiu MZ, Hu XY, Han J, Liu KY, Liao JW, Xu RH, Zou QF.Int J Clin Exp Pathol. 2014 Jan 15;7(2):619-30.