

## Mouse Monoclonal Antibody to PER3

Catalogue Number	sAP-1033
Target Molecule	<b>Name:</b> PER3 <b>Aliases:</b> GIG13 <b>MW:</b> 132kDa <b>Entrez Gene ID:</b> 8863
Description	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.
Immunogen	Purified recombinant fragment of human PER3 (AA: 723-954) expressed in E. Coli.
Reactive Species	Human;
Clone	MM5D5B8;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Liver Int. 2012 Oct;32(9):1451-9.; 2. Ann Surg Oncol. 2012 Sep;19(9):3081-8.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**