

## Mouse Monoclonal Antibody to PAR4

Catalogue Number	sAP-0177
Target Molecule	<b>Name: PAR4</b> <b>Aliases: PAWR</b> <b>MW: N/A</b> <b>Entrez Gene ID: 5074</b>
Description	Prostate apoptosis response 4 (Par4) is a 38kD protein originally identified as the product of a gene that is upregulated in prostate tumor cells undergoing apoptosis. It is a leucine zipper and death domain containing protein whose levels increase in neurons undergoing apoptosis as a result of trophic factor withdrawal or exposure to oxidative and metabolic insults. Par4 levels are reported to be increased in their lumbar spinal cord specimens further suggesting a role in neuronal degeneration. The tumor suppressor WT1 represses and activates transcription. The loss and/or imbalance of the dual transcriptional activity of WT1 may contribute to Wilms tumor. Par4 is a WT1 interacting protein that also functions as a transcriptional repressor.
Immunogen	Purified recombinant fragment of PAR4(aa1-330) expressed in E. Coli. ;
Reactive Species	Human
Clone	MM3G9H7;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H <sub>2</sub> O, 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; IHC: 1 to 200 - 1 to 1000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. J Biol Chem. 2004 Jul 2;279(27):28266-75. ; 2. Exp Hematol. 2004 Jul;32(7):649-56. ; 3. Mol Cell Biol. 2005 Feb;25(3):1146-61. ; 4. Psychiatr Genet. 2006 Oct;16(5):193-6.

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 ender users! This product is sold for **Research Use Only**