

## Mouse Monoclonal Antibody to RBL2

Catalogue Number	sAP-1044
Target Molecule	<b>Name:</b> RBL2 <b>Aliases:</b> Rb2; P130 <b>MW:</b> 128.4kDa <b>Entrez Gene ID:</b> 5934
Description	RBL2 is a Key regulator of entry into cell division. Directly involved in heterochromatin formation by maintaining overall chromatin structure and, in particular, that of constitutive heterochromatin by stabilizing histone methylation. Recruits and targets histone methyltransferases SUV420H1 and SUV420H2, leading to epigenetic transcriptional repression. Controls histone H4 'Lys-20' trimethylation. Probably acts as a transcription repressor by recruiting chromatin-modifying enzymes to promoters. Potent inhibitor of E2F-mediated trans-activation, associates preferentially with E2F5. Binds to cyclins A and E. Binds to and may be involved in the transforming capacity of the adenovirus E1A protein. May act as a tumor suppressor.
Immunogen	Purified recombinant fragment of human RBL2 (AA: 939-1139) expressed in E. Coli.
Reactive Species	Human;
Clone	MM2C8A8;
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; FCM: 1 to 200 - 1 to 400
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Malays J Pathol. 2009 Jun;31(1):53-6.; 2. Int J Colorectal Dis. 2009 Nov;24(11):1303-10.

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**