

## Mouse Monoclonal Antibody to PAX6

Catalogue Number	sAP-1182
Target Molecule	<b>Name:</b> PAX6 <b>Aliases:</b> AN; AN2; FVH1; MGDA; WAGR; D11S812E <b>MW:</b> 46.7kDa <b>Entrez Gene ID:</b> 5080
Description	This gene encodes paired box gene 6, one of many human homologs of the <i>Drosophila melanogaster</i> gene <i>prd</i> . In addition to the hallmark feature of this gene family, a conserved paired box domain, the encoded protein also contains a homeo box domain. Both domains are known to bind DNA and function as regulators of gene transcription. This gene is expressed in the developing nervous system, and in developing eyes. Mutations in this gene are known to cause ocular disorders such as aniridia and Peter's anomaly. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.;
Immunogen	Purified recombinant fragment of human PAX6 (AA: 1-122) expressed in E. Coli.
Reactive Species	Human;
Clone	MM1F6G2;
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; IHC: 1 to 200 - 1 to 1000; ICC: ; FCM: 1 to 200 - 1 to 400
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1.PLoS One. 2014 Jan 15;9(1):e85738. ; 2.Curr Eye Res. 2012 Oct;37(10):879-83. ;

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**