

Summary

Production Name	PAX6 Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	IHC,FC,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Immunogen

Gene Name	PAX6
Alternative Names	AN; AN2; FVH1; MGDA; WAGR; D11S812E
Gene ID	5080.0
SwissProt ID	P26367.Purified recombinant fragment of human PAX6 (AA: 1-122) expressed in E. Coli.

Application

Dilution Ratio	IHC:1:200-1:1000,FC:1:200-1:400,ELISA:1:10000
Molecular Weight	46.7kDa

Background

This gene encodes paired box gene 6, one of many human homologs of the Drosophila melanogaster gene prd. In addition

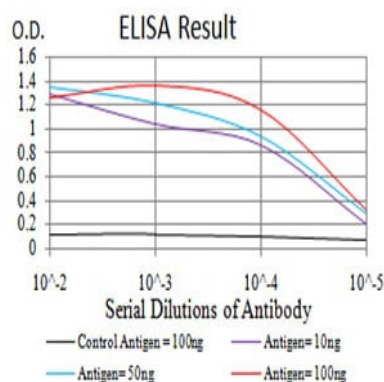
Product Name: PAX6 Mouse Monoclonal Antibody
Catalog #: AMM81526



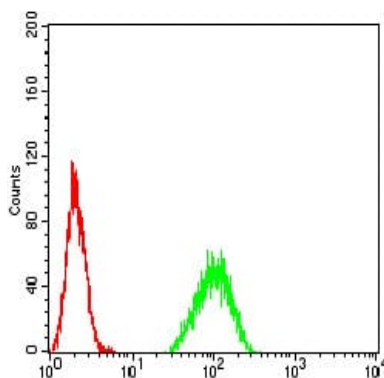
to the hallmark feature of this gene family, a conserved paired box domain, the encoded protein also contains a homeo box domain. Both domains are known to bind DNA and function as regulators of gene transcription. This gene is expressed in the developing nervous system, and in developing eyes. Mutations 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.

Research Area

Image Data

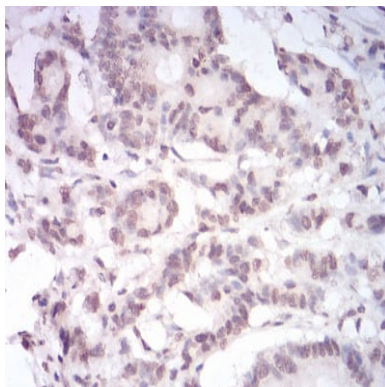


Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);

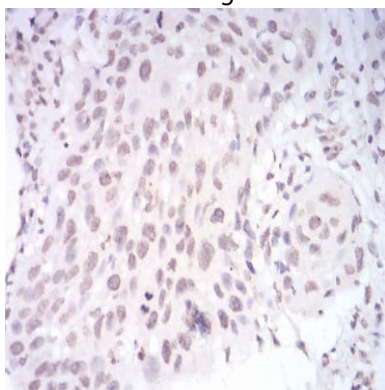


Flow cytometric analysis of A549 cells using PAX6 mouse mAb (green) and negative control (red).

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Immunohistochemical analysis of paraffin-embedded human colon cancer tissues using PAX6 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human esophageal cancer tissues using PAX6 mouse mAb with DAB staining.

Note

For research use only.