

## PAX6 monoclonal antibody

Catalog: MB22004

Host: Mouse

Reactivity: Human

### BackGround:

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

### Product:

Purified antibody in PBS with 0.05% sodium azide

### Molecular Weight:

46.7kDa

### Swiss-Prot:

P26367

### Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

IHC:1/200 - 1/1000 FC:1/200 - 1/400

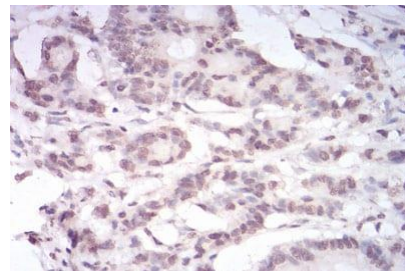
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

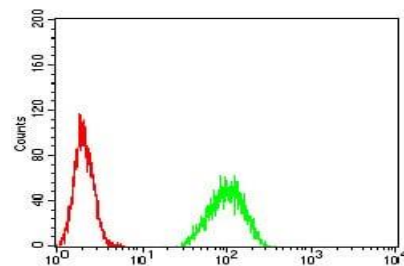
### Isotype:

Mouse IgG1

### DATA:



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



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

### Note:

For research use only, not for use in diagnostic procedure.

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