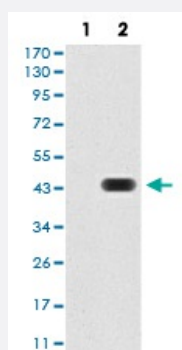


PAX6 monoclonal antibody, clone 1F6G2

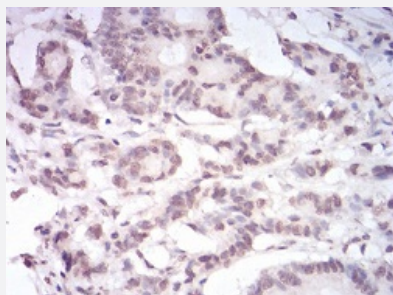
Catalog # MAB16754 Size 100 ug

Applications



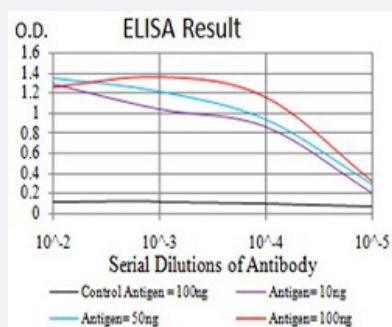
Western Blot (Transfected lysate)

Western blot analysis of Lane 1: HEK293 cell; Lane 2: PAX6-hlgGFc transfected HEK293 cell with PAX6 monoclonal antibody.



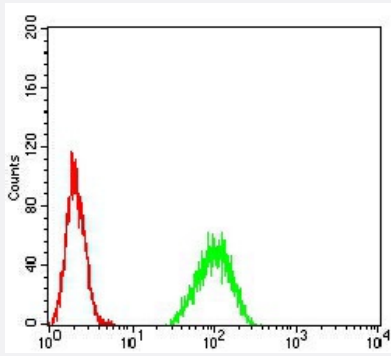
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded colon cancer tissues with PAX6 monoclonal antibody.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of PAX6 monoclonal antibody, clone 1F6G2.



Flow Cytometry

Flow cytometric analysis of A549 cells with PAX6 monoclonal antibody (green) and negative control (red).

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human PAX6.
Immunogen	Recombinant protein corresponding to amino acid 1-122 of human PAX6 from <i>E. coli</i> .
Host	Mouse
Theoretical MW (kDa)	46.7
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) Immunocytochemistry Flow Cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western blot analysis of Lane 1: HEK293 cell; Lane 2: PAX6-hlgGfc transfected HEK293 cell with PAX6 monoclonal antibody.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded colon cancer tissues with PAX6 monoclonal antibody.

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of PAX6 monoclonal antibody, clone 1F6G2.

- Flow Cytometry

Flow cytometric analysis of A549 cells with PAX6 monoclonal antibody (green) and negative control (red).

Gene Info — PAX6

Entrez GeneID [5080](#)

Gene Name PAX6

Gene Alias AN, AN2, D11S812E, MGC17209, MGDA, WAGR

Gene Description paired box 6

Omim ID [106210](#) [120200](#) [120430](#) [129750](#) [136520](#) [148190](#) [165550](#) [603807](#) [607108](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 either the same or different isoform have been found for this gene. [provided by RefSeq]

Other Designations OTTHUMP00000038833|OTTHUMP00000038834|OTTHUMP00000038835|OTTHUMP00000038836|OTTHUMP00000038837|OTTHUMP00000038838|OTTHUMP00000038839|OTTHUMP00000038840|paired box gene 6|paired box homeotic gene-6

Pathway

- [Maturity onset diabetes of the young](#)

Disease

- [Abnormalities](#)
- [Alcoholism](#)
- [Atherosclerosis](#)
- [Atrophy](#)
- [Autistic Disorder](#)
- [Blepharoptosis](#)
- [Calcinosis](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Myopia](#)
- [Photophobia](#)
- [Retinal Diseases](#)
- [Tobacco Use Disorder](#)
- [Vision Disorders](#)