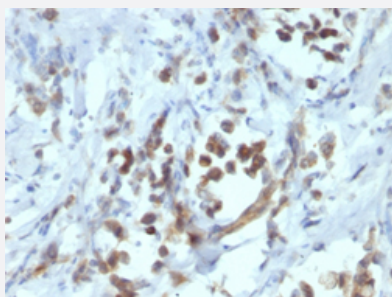


PAX6 monoclonal antibody, clone PAX6/1166

Catalog # MAB13391 Size 100 ug

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human stomach carcinoma with PAX6 monoclonal antibody, clone PAX6/1166 (Cat # MAB13391).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human PAX6.
Immunogen	Recombinant protein corresponding to amino acids 1-300 at N-terminus region of human
Host	Mouse
Theoretical MW (kDa)	47
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/10 ⁶ cells in 0.1 mL) Immunofluorescence (0.5-1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% BSA, 0.05% sodium azide).

Storage Instruction

Store at 4°C.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human stomach carcinoma with PAX6 monoclonal antibody, clone PAX6/1166 (Cat # MAB13391).

- Immunofluorescence

- Flow Cytometry

Gene Info — PAX6

Entrez GeneID

[5080](#)

Protein Accession#

[P26367](#)

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](#)