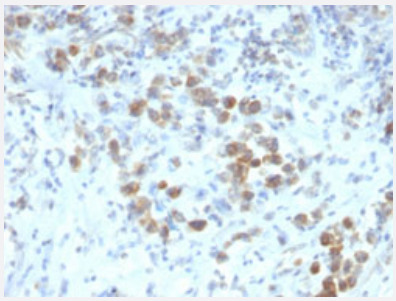
PAX6 monoclonal antibody, clone SPM612

Catalog # MAB13133 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 SPM612 (Cat # MAB13133).

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 PAX6.
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 SPM612 (Cat # MAB13133).

- 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