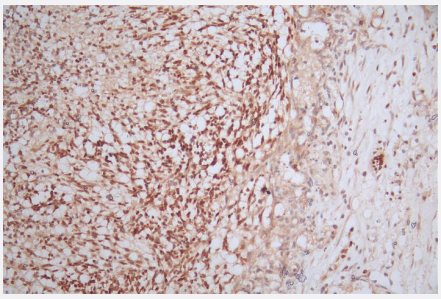
RecomAb™

PAX6 recombinant monoclonal antibody, clone 22C3

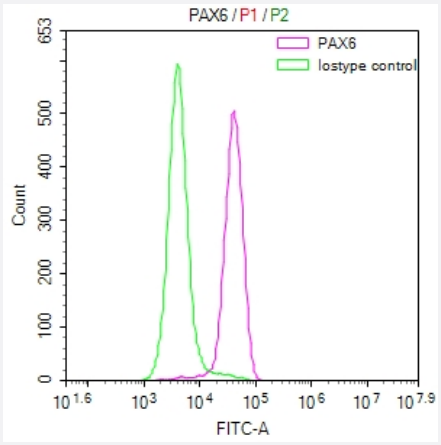
Catalog # RAB07749 Size 100 uL

Applications



Immunohistochemistry

Immunohistochemistry image of PAX6 recombinant monoclonal antibody, clone 22C3 diluted at 1:100 and staining in paraffin-embedded human glioma cancer performed on a Leica BondTM system.



Flow Cytometry

Overlay Peak curve showing SH-SY5Y cells stained with PAX6 recombinant monoclonal antibody, clone 22C3 (red line) at 1:50.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PAX6.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human PAX6.
Reactivity	Human
Form	Liquid

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Flow Cytometry(1:50-1:200) Immunohistochemistry(1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry

  Immunohistochemistry image of PAX6 recombinant monoclonal antibody, clone 22C3 diluted at 1:100 and staining in paraffin-embedded human glioma cancer performed on a Leica BondTM system.

- Flow Cytometry

  Overlay Peak curve showing SH-SY5Y cells stained with PAX6 recombinant monoclonal antibody, clone 22C3 (red line) at 1:50.

- Enzyme-linked Immunoabsorbent Assay

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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Tobacco Use Disorder
- Vision Disorders

Copyright © 2023 Abnova Corporation. All Rights Reserved.