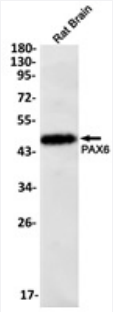
RecomAb™

PAX6 recombinant monoclonal antibody, clone R03-8G4

Catalog # RAB04898 Size 100 uL

Applications



Western Blot (Tissue lysate)

Western blot analysis of rat brain lysates with PAX6 recombinant monoclonal antibody, clone R03-8G4 (Cat # RAB04898).

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.
Theoretical MW (kDa)	47
Reactivity	Rat
Form	Liquid
Preparation Method	Mammalian cell (CHO) expression system
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA).

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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 shoul d be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

  Western blot analysis of rat brain lysates with PAX6 recombinant monoclonal antibody, clone R03-8G4 (Cat # RAB04898).

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 melanog aster gene prd. In addition to the hallmark feature of this gene family, a conserved paired box dom ain, the encoded protein also contains a homeo box domain. Both domains are known to bind DN A, and function as regulators of gene transcription. This gene is expressed in the developing nerv ous system, and in developing eyes. Mutations in this gene are known to cause ocular disorders s uch as aniridia and Peter's anomaly. Alternatively spliced transcript variants encoding either the s ame or different isoform have been found for this gene. [provided by RefSeq
Other Designations	OTTHUMP00000038833|OTTHUMP00000038834|OTTHUMP00000038835|OTTHUMP000000 38836|OTTHUMP00000038837|OTTHUMP00000038838|OTTHUMP00000038839|OTTHUMP0 0000038840|paired box gene 6|paired box homeotic gene-6

Pathway

- Maturity onset diabetes of the young

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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

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