

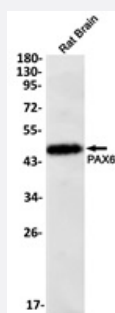
RecomAb™

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
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 (0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

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 (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 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](#)