

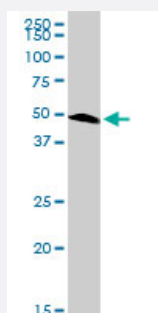
MaxPab®

PAX6 MaxPab rabbit polyclonal antibody (D01)

Catalog # H00005080-D01

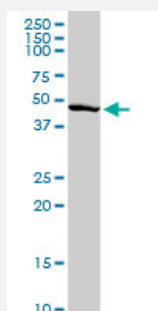
Size 100 uL

Applications



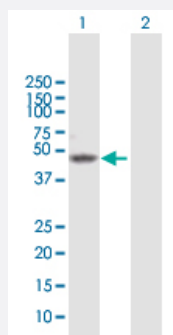
Western Blot (Tissue lysate)

PAX6 MaxPab rabbit polyclonal antibody. Western Blot analysis of PAX6 expression in mouse spleen.



Western Blot (Tissue lysate)

PAX6 MaxPab rabbit polyclonal antibody. Western Blot analysis of PAX6 expression in human kidney.

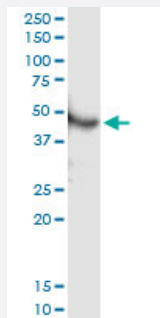


Western Blot (Transfected lysate)

Western Blot analysis of PAX6 expression in transfected 293T cell line ([H00005080-T02](#)) by PAX6 MaxPab polyclonal antibody.

Lane 1: PAX6 transfected lysate(46.7 KDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of PAX6 transfected lysate using anti-PAX6 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with PAX6 MaxPab mouse polyclonal antibody (B01) ([H00005080-B01](#)).

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human PAX6 protein.
Immunogen	PAX6 (NP_000271.1, 1 a.a. ~ 422 a.a) full-length human protein.
Sequence	MQNSHSGVNQLGGVFVNGRPLPDSTRQKIVELAHSGARPCDISRILQVSNGCVSKILGRYYETGSI RPRAIGGSKPRVATPEVVSKIAQYKRECPSIFAWIIRDRLLSEGVCNTDNIPSVSSINRVLRLNLASE KQQMGADGMYDKLRMLNGQTGSWGTRPGWYPGTSVPGQPTQDGCQQQEGGGENTNSISSNG EDSDEAQMRLQLKRKLQRNRTSFTQEIQIALEKEFERTHYPDVFAERERLAAKIDLPEARIQVWFS NRRAKWRREEKLRNQRRQASNTPSHIPISSSFSTSVYQPIQPPTTPVSSFTSGSMLGRTDTALTNT YSALPPMPSTMANLPMQPPVPSQTSSSYSCMLPTSPSVNGRSYDITYPPHMQTHMNSQPMGT SGTTSTGLISPGVSVPVQVPGSEPDMSQYWPRLQ
Host	Rabbit
Reactivity	Human, Mouse
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

PAX6 MaxPab rabbit polyclonal antibody. Western Blot analysis of PAX6 expression in mouse spleen.

[Protocol Download](#)

- Western Blot (Tissue lysate)

PAX6 MaxPab rabbit polyclonal antibody. Western Blot analysis of PAX6 expression in human kidney.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of PAX6 expression in transfected 293T cell line ([H00005080-T02](#)) by PAX6 MaxPab polyclonal antibody.

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[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of PAX6 transfected lysate using anti-PAX6 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with PAX6 MaxPab mouse polyclonal antibody (B01) ([H00005080-B01](#)).

[Protocol Download](#)

Gene Info — PAX6

Entrez GeneID [5080](#)

GeneBank Accession# [NM_000280.2](#)

Protein Accession# [NP_000271.1](#)

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](#)