

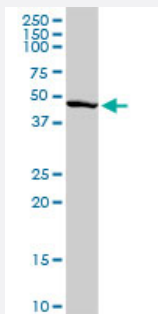
MaxPab®

PAX6 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00005080-D01P

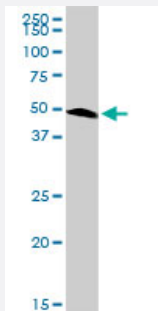
Size 100 ug

Applications



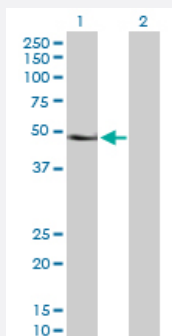
Western Blot (Tissue lysate)

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



Western Blot (Tissue lysate)

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



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(46.70 KDa).

Lane 2: Non-transfected lysate.

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	MQNSHSGVNLQGGVFNVRPLPDSTRQKIVELAHSGARPCDISRILQVSNGCVSKILGRYYETGSI RPRAIGGSKPRVATPEVVSKIAQYKRECPSIFAWIEIRDRLLESGVCTNDNIPSVSSINRVLRNLASE KQQMGADGMVDKLRMLNGQTGSWGTRPGWYPGTSVPGQPTQDGCQQQEGGGENTNSISSNG EDSDEAQMRLQLKRKLQRNRTSFTQEQIEALEKEFERTHYPDVFAERERLAAKIDLPEARIQVWFS NRRAKWRREEKLRNQRRQASNTPSHIPSSSFSTSVYQPIQPPTTPVSSFTSGSMLGRTDTALTNT YSALPPMPSFTMANNLPMQPPVPSQTSSYSCLPTSPSVNGRSYDTYTPPHMQTHMNSQPMGT SGTTSTGLISPGVSPVQVPGSEPDMSQYWRLQ
Host	Rabbit
Reactivity	Human, Mouse
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
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 human kidney.

[Protocol Download](#)

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

[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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Lane 2: Non-transfected lysate.

[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

Publication Reference

- [Downregulation of PAX6 by shRNA Inhibits Proliferation and Cell Cycle Progression of Human Non-Small Cell Lung Cancer Cell Lines.](#)

Zhao X, Yue W, Zhang L, Ma L, Jia W, Qian Z, Zhang C, Wang Y.

PLoS One 2014 Jan; 9(1):e85738.

Application: WB-Tr, Human, A-549, H1299 cells

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](#)