Best Tools for immunology Research

PAX6 rabbit pAb

Catalog No :	YT7954
Reactivity :	Human;Rat;Mouse;
Applications :	WB;ELISA
Target :	PAX6
Fields :	>>Signaling pathways regulating pluripotency of stem cells;>>Maturity onset diabetes of the young
Gene Name :	PAX6 AN2
Protein Name :	PAX6
Human Gene Id :	5080
Human Swiss Prot No :	P26367
Mouse Gene Id :	18508
Mouse Swiss Prot No :	P63015
Rat Gene Id :	25509
Rat Swiss Prot No :	P63016
Immunogen :	Synthesized peptide derived from human PAX6
Specificity :	This antibody detects endogenous levels of Human PAX6
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:1000-2000 ELISA 1:5000-20000

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	46kD
Background :	This gene encodes a homeobox and paired domain-containing protein that binds DNA and functions as a regulator of transcription. Activity of this protein is key in the development of neural tissues, particularly the eye. This gene is regulated by multiple enhancers located up to hundreds of kilobases distant from this locus. Mutations in this gene or in the enhancer regions can cause ocular disorders such as aniridia and Peter's anomaly. Use of alternate promoters and alternative splicing result in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2015],
Function :	developmental stage:Expressed in the developing eye and brain.,disease:Defects in PAX6 are a cause of autosomal dominant keratitis [MIM:148190]. It is an eye disorder characterized by corneal opacification and vascularization, and by foveal hypoplasia.,disease:Defects in PAX6 are a cause of bilateral optic nerve hypoplasia [MIM:165550]; also known as bilateral optic nerve aplasia. Inheritance is autosomal dominant.,disease:Defects in PAX6 are a cause of coloboma of optic nerve [MIM:120430].,disease:Defects in PAX6 are a cause of ectopia pupillae [MIM:129750]. It is a congenital eye malformation in which the pupils are displaced from their normal central position.,disease:Defects in PAX6 are a cause of foveal hypoplasia [MIM:136520]. Foveal hypoplasia can be isolated or associated with presenile cataract. Inheritance is autosomal dominant.,disease:Defects in PAX6 are a cause of Gillespie
Subcellular Location :	Nucleus .; [Isoform 1]: Nucleus .; [Isoform 5a]: Nucleus .
Expression :	[Isoform 1]: Expressed in lymphoblasts. ; [Isoform 5a]: Weakly expressed in lymphoblasts.
Tag :	hot
Sort :	11653
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

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