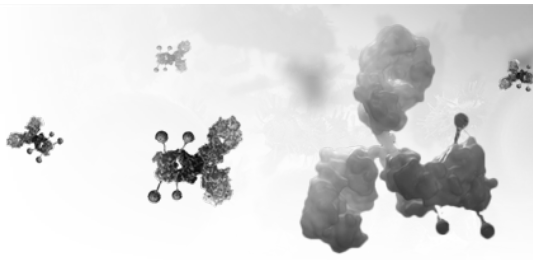

Rabbit Anti-PAX6 monoclonal antibody, clone TE19-42 (CABT-L807)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	PAX6
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TE19-42
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC
Molecular Weight	48 kDa
Cellular Localization	Nucleus.
Positive Control	Hela, rat eyeball tissue, human pancreas tissue, mouse eyeball tissue, mouse pancreas tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

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Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	Pax genes contain paired domains with strong homology to genes in Drosophila which are involved in programming early development. Lesions in the Pax-6 gene account for most cases of aniridia, a congenital malformation of the eye, chiefly characterized by iris hypoplasia, which can cause blindness. Pax-6 is involved in other anterior segment malformations besides aniridia, such as Peters anomaly, a major error in the embryonic development of the eye with corneal clouding with variable iridolenticulocorneal adhesions. The Pax-6 gene encodes a transcriptional regulator that recognizes target genes through its paired-type DNA-binding domain. The paired domain is composed of two distinct DNA-binding subdomains, the amino-terminal subdomain and the carboxy-terminal subdomain, which bind respective consensus DNA sequences. The human Pax-6 gene produces two alternatively spliced isoforms that have the distinct structure of the paired domain.
Keywords	AN 2;AN;AN2;Aniridia type II protein;D11S812E;FVH1;KIAA0552;Leucine zipper putative tumor suppressor 3;LZTS3;MGC17209;MGDA;Oculorhombin;Paired box 6;Paired box gene 6 (aniridia keratitis);Paired Box Gene 6;Paired box homeotic gene 6;Paired box protein Pax-6;Paired box protein Pax6;PAX 6;PAX6;PAX6_HUMAN;ProSAP-interacting protein 1;PROSAPIP1;Sey;WAGR antibody

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