

Datasheet for ABIN930925
anti-PAX6 antibody



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2 Images

Overview

Quantity:	50 µg
Target:	PAX6
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PAX6 antibody is un-conjugated
Application:	ELISA, Immunocytochemistry (ICC)

Product Details

Immunogen:	PAX6 antibody was raised in mouse using recombinant Paired Box Gene 6 (Aniridia, Keratitis)
Clone:	PAX5I326
Isotype:	IgG1
Cross-Reactivity:	Human
Cross-Reactivity (Details):	Other species not studied.
Purification:	Protein G affinity chromatography

Target Details

Target:	PAX6
Alternative Name:	PAX6 (PAX6 Products)
Background:	This gene encodes paired box gene 6, one of many human homologues of the Drosophila

Target Details

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 aniridia as well as Peter's anomaly, both ocular diseases. Synonyms: Monoclonal PAX6 antibody, Anti-PAX6 antibody, Paired box gene 6 antibody, AN2 antibody, MGDA antibody, AN antibody, D11S812E antibody, WAGR antibody.

Pathways: [Peptide Hormone Metabolism](#), [Carbohydrate Homeostasis](#)

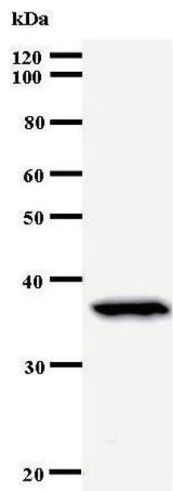
Application Details

Application Notes: ICC: 2-100 µg/mL
Optimal conditions should be determined by the investigator.

Restrictions: For Research Use only

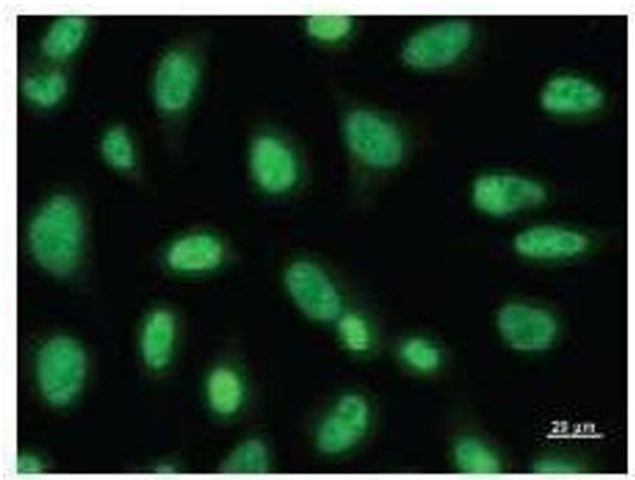
Handling

Concentration:	Lot specific
Buffer:	PAX6 antibody in PBS (3.0 mM KCl, 1.5 mM KH ₂ PO ₄ , 140 mM NaCl, 8.0 mM Na ₂ PO ₄ (pH 7.4)) containing 1 % bovine serum albumin (BSA) and 0.05 % sodium azide (NaN ₃).
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze/thaw cycles. Dilute only prior to immediate use.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2-8 °C for up to one year. We recommend long term storage at -20 °C.



Western Blotting

Image 1.



Immunofluorescence

Image 2. Immunostaining analysis in HeLa cells. HeLa cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% Triton X-100 in PBS. The cells were stained with anti-PAX6 antibody.