
Anti-Pax6 Purified

Catalog Number: 14-9914

Also known as: Paired box gene 6

RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information

Contents: Anti-Pax6 Purified
Catalog Number: 14-9914
Clone: AD2.38
Concentration: 0.5 mg/mL
Host/Isotype: Mouse IgG1

REF



Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Temperature Limitation: Store at 2-8°C.

Batch Code: Refer to vial

Use By: Refer to vial

Description

This AD2.38 monoclonal antibody reacts with human, mouse, and rat Pax6. This 47-kDa transcription factor is expressed during embryonic neurogenesis in the brain and central nervous system, as well as in neuroepithelial cells of the retina. Pax6 is involved in development of the eyes, nose, central nervous system, pancreas, and pituitary gland. Studies also demonstrate that Pax6 is crucial for alpha-cell differentiation and glucagon biosynthesis in the pancreas. Mutation of *Pax6* results in eye disorders such as aniridia in humans and Small eye in mice.

Applications Reported

This AD2.38 antibody has been reported for use in immunoblotting (WB) and immunocytochemistry.

Applications Tested

This AD2.38 antibody has been tested by immunocytochemistry of fixed and permeabilized MV+ cells. This antibody can be used at less than or equal to 5 µg/ml. It is recommended that this antibody be carefully titrated for optimal performance in the assay of interest.

References

Gosmain Y, Marthinet E, Cheyssac C, Guerardel A, Mamin A, Katz LS, Karim B, Philippe J. PAX6 controls the expression of critical genes involved in pancreatic alpha-cell differentiation and function. *J Biol Chem.* 2010 Jun 30.

Osumi N, Shinohara H, Numayama-Tsuruta K, Maekawa M. Concise review: Pax6 transcription factor contributes to both embryonic and adult neurogenesis as a multifunctional regulator. *Stem Cells.* 2008 Jul;26(7):1663-72.

Engelkamp D, Rashbass P, Seawright A, van Heyningen V. Role of Pax6 in development of the cerebellar system. *Development.* 1999 Aug;126(16):3585-96. (**AD2.38**, WB, IHC)

Related Products

11-4714 Mouse IgG1 K Isotype Control FITC (P3.6.2.8.1)

11-9897 Anti-Vimentin FITC (V9)

14-4714 Mouse IgG1 K Isotype Control Purified (P3.6.2.8.1)

53-9892 Anti-Glial Fibrillary Acidic Protein (GFAP) Alexa Fluor[®] 488 (GA5 (GA-5, G-A-5))

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