PAX6 Monoclonal Antibody (AD2.38), eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Chicken, Human, Mouse, Rat
Published Species	Human
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	AD2.38
Conjugate	Unconjugated
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_10669586

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-Dependent	-
Immunocytochemistry (ICC/IF)	5 µg/mL	2 Publications

Product Specific Information

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.

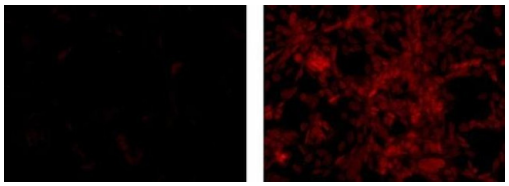
Applications Tested: This AD2.38 antibody has been tested by immunocytochemistry of fixed and permeabilized MV+ cells. This antibody can be used at less than or equal to 5 µg/mL. It is recommended that this antibody be carefully titrated for optimal performance in the assay of interest.

Purity: Greater than 90%, as determined by SDS-PAGE.

Aggregation: Less than 10%, as determined by HPLC.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For PAX6 Monoclonal Antibody (AD2.38), eBioscience™



PAX6 Antibody (14-9914-82) in ICC/IF
Immunocytochemistry of fixed and permeabilized MV+ cells using 5 µg/mL of Mouse IgG1 Isotype Control Purified (Product # 11-4714-42) (left) or Anti-Pax6 Purified (right) followed by Anti-Mouse TRITC.

2 References

Immunocytochemistry (2)

Nature genetics

Substantial somatic genomic variation and selection for BCOR mutations in human induced pluripotent stem cells.

"14-9914-82 was used in Immunocytochemistry-immunoflourescence to explore human induced pluripotent stem cells (hiPSCs) derived from different tissues to gain insights into genomic integrity at single-nucleotide resolution."

Authors: Rouhani FJ,Zou X,Danecek P,Badja C,Amarante TD,Koh G,Wu Q,Memari Y,Durbin R,Martincorena I,Bassett AR,Gaffney D,Nik-Zainal S

Year
2022

Species
Human

Dilution
1:100

Experimental and therapeutic medicine

Formation of three-dimensional cell aggregates expressing lens-specific proteins in various cultures of human iris-derived tissue cells and iPS cells.

"Published figure using PAX6 monoclonal antibody (Product # 14-9914-82) in Immunocytochemistry"

Authors: Hiramatsu N,Yamamoto N,Kato Y,Nagai N,Isogai S,Imaizumi K

Year
2022

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.