

Datasheet for ABIN969343

anti-PAX8 antibody



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1 Image

1 Publication

Overview

Quantity:	100 µL
Target:	PAX8
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PAX8 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	PAX8 Antibody
Immunogen:	Purified recombinant fragment of human PAX8 expressed in E. Coli.
Clone:	2D4
Isotype:	IgG1
Purification:	Ascitic fluid

Target Details

Target:	PAX8
Alternative Name:	PAX8 (PAX8 Products)
Background:	This gene encodes a member of the paired box (PAX) family of transcription factors. Members of this gene family typically encode proteins that contain a paired box domain, an octapeptide,

Target Details

and a paired-type homeodomain. This nuclear protein is involved in thyroid follicular cell development and expression of thyroid-specific genes. Mutations in this gene have been associated with thyroid dysgenesis, thyroid follicular carcinomas and atypical follicular thyroid adenomas. Tissue specificity: Expressed in the excretory system, thyroid gland and Wilms tumors. ABCAM: This protein is a member of the paired box (PAX) family of transcription factors, typically containing a paired box domain, an octapeptide, and a paired-type homeodomain. This family plays critical roles during fetal development and cancer growth. The specific function of the PAX8 is unknown but it may involve kidney cell differentiation, thyroid development, or thyroid dysgenesis. Alternative splicing in the gene by inclusion or exclusion of exons 7 and/or 8 has produced several known products but the biological significance of the variants is unknown. Several other splice variants have been proposed but the full nature of these products has not been described. Pax8 is also a marker of otic progenitor cells.

Molecular Weight:	60 kDa
Gene ID:	7849
UniProt:	P27930
Pathways:	Thyroid Hormone Synthesis , Regulation of Hormone Metabolic Process , Stem Cell Maintenance , Tube Formation

Application Details

Application Notes:	ELISA: 1/10000
Restrictions:	For Research Use only

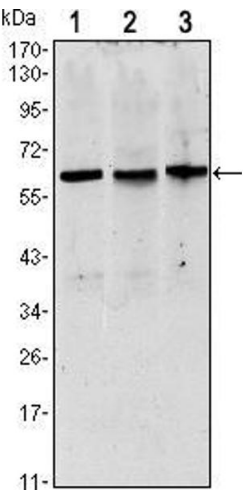
Handling

Format:	Liquid
Buffer:	Ascitic fluid containing 0.03 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Publications

Product cited in: McKnight, Cohen, Siddiqui: "Utility of paired box gene 8 (PAX8) expression in fluid and fine-needle aspiration cytology: an immunohistochemical study of metastatic ovarian serous carcinoma." in: **Cancer cytopathology**, Vol. 118, Issue 5, pp. 298-302, (2010) ([PubMed](#)).

Images



Western Blotting

Image 1. Western blot analysis using PAX8 mouse mAb against HeLa (1),HEK293 (2) and Raji (3) cell lysate.