

Datasheet for ABIN2779444  
**anti-PAX4 antibody (Middle Region)**

6 Images

1 Publication

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## Overview

Quantity:	100 µL
Target:	PAX4
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Cow, Rabbit, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PAX4 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human PAX4
Sequence:	RTIFSPSQAE ALEKEFQRGQ YPDSVARGKL ATATSLPEDT VRVWFSNRRA
Specificity:	100 % homologous to all 3 isoforms (38, 30, 37 kDa).
Predicted Reactivity:	Cow: 92%, Dog: 92%, Guinea Pig: 92%, Horse: 92%, Human: 100%, Mouse: 92%, Rabbit: 92%, Rat: 92%
Characteristics:	This is a rabbit polyclonal antibody against PAX4. It was validated on Western Blot.
Purification:	Affinity Purified

## Target Details

Target:	PAX4
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## Target Details

Alternative Name:	PAX4 ( <a href="#">PAX4 Products</a> )
Background:	<p>PAX4 is a member of the paired box (PAX) family of transcription factors. Members of this gene family typically contain a paired box domain, an octapeptide, and a paired-type homeodomain. These genes play critical roles during fetal development and cancer growth. The paired box gene 4 is involved in pancreatic islet development and mouse studies have demonstrated a role for this gene in differentiation of insulin-producing <math>\beta</math>-cells.</p> <p>Alias Symbols: KPD, MGC129960, MODY9</p> <p>Protein Interaction Partner: GMCL1,</p> <p>Protein Size: 343</p>
Molecular Weight:	37 kDa
Gene ID:	5078
NCBI Accession:	<a href="#">NM_006193</a> , <a href="#">NP_006184</a>
UniProt:	<a href="#">O43316</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 343 AA
Restrictions:	For Research Use only

## Handling

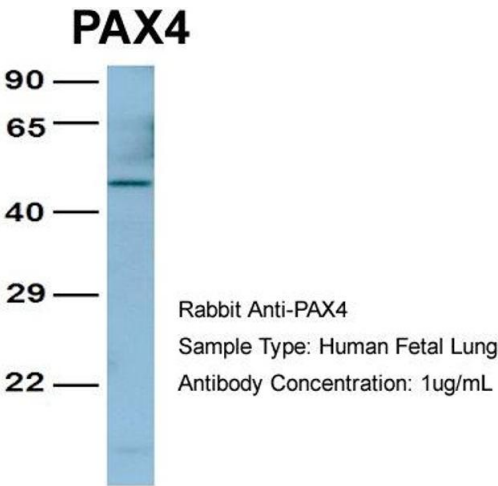
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.

Publications

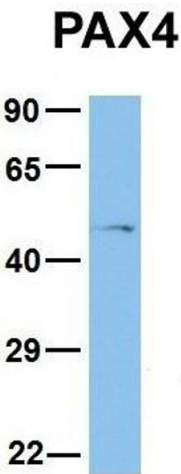
Product cited in: Zhang, Muralimanoharan, Wortman, Mendelson: "Primate-specific miR-515 family members inhibit key genes in human trophoblast differentiation and are upregulated in preeclampsia." in: **Proceedings of the National Academy of Sciences of the United States of America**, (2016) ([PubMed](#)).

Images



Western Blotting

**Image 1.** Host: Rabbit Target Name: PAX4 Sample Type: Human Fetal Lung Antibody Dilution: 1.0ug/ml



Western Blotting

**Image 2.** Host: Rabbit Target Name: PAX4 Sample Type: COLO205 Antibody Dilution: 1.0ug/ml PAX4 is supported by BioGPS gene expression data to be expressed in COLO205



Western Blotting

**Image 3.** Host: Rat Target Name: PAX4 Sample Tissue: Rat Brain Antibody Dilution: 1ug/ml

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN2779444.