

Datasheet for ABIN7164844
anti-PROX1 antibody (AA 262-477)



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1 Image

Overview

Quantity:	100 µg
Target:	PROX1
Binding Specificity:	AA 262-477
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PROX1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Recombinant Human Prospero homeobox protein 1 protein (262-477AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	PROX1
Alternative Name:	PROX1 (PROX1 Products)
Background:	Background: Transcription factor involved in developmental processes such as cell fate determination, gene transcriptional regulation and progenitor cell regulation in a number of

Target Details

organs. Plays a critical role in embryonic development and functions as a key regulatory protein in neurogenesis and the development of the heart, eye lens, liver, pancreas and the lymphatic system. Involved in the regulation of the circadian rhythm. Represses: transcription of the retinoid-related orphan receptor RORG, transcriptional activator activity of RORA and RORG and the expression of RORA/G-target genes including core clock components: ARNTL/BMAL1, NPAS2 and CRY1 and metabolic genes: AVPR1A and ELOVL3.

Aliases: Homeobox prospero like protein antibody, Homeobox prospero like protein PROX1 antibody, Homeobox prospero-like protein PROX1 antibody, Prospero homeobox 1 antibody, Prospero homeobox protein 1 antibody, Prospero related homeobox 1 antibody, prospero-related homeobox gene 1 antibody, PROX 1 antibody, PROX-1 antibody, PROX1 antibody, PROX1_HUMAN antibody, zgc:111888 antibody

UniProt: [Q92786](#)

Pathways: [Stem Cell Maintenance](#), [Regulation of Muscle Cell Differentiation](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000,

Restrictions: For Research Use only

Handling

Format: Liquid

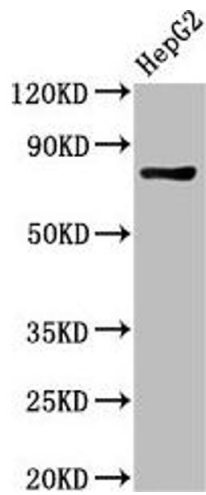
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Western Blotting

Image 1. Western Blot Positive WB detected in: HepG2 whole cell lysate All lanes: PROX1 antibody at 3 μ g/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 84 kDa Observed band size: 84 kDa