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Datasheet for ABIN1724816

anti-Paired Box 3 antibody (AA 142-203)

4 Images

1 Publication

Overview

Quantity:	100 µL
Target:	Paired Box 3 (PAX3)
Binding Specificity:	AA 142-203
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Paired Box 3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Purified recombinant fragment of human PAX3 (AA: 142-203) expressed in E. coli.
Clone:	7D8G7
Isotype:	IgG1
Purification:	purified

Target Details

Target:	Paired Box 3 (PAX3)
Alternative Name:	PAX3 (PAX3 Products)
Background:	Description: This gene is a member of the paired box (PAX) family of transcription factors. Members of the PAX family typically contain a paired box domain and a paired-type

Target Details

homeodomain. These genes play critical roles during fetal development. Mutations in paired box gene 3 are associated with Waardenburg syndrome, craniofacial-deafness-hand syndrome, and alveolar rhabdomyosarcoma. The translocation t(2,13)(q35,q14), which represents a fusion between PAX3 and the forkhead gene, is a frequent finding in alveolar rhabdomyosarcoma.

Alternative splicing results in transcripts encoding isoforms with different C-termini. , ,

Aliases: WS1, WS3, CDHS, HUP2

Molecular Weight: 53 kDa

Gene ID: 5077

HGNC: 5077

Pathways: [Sensory Perception of Sound, Tube Formation](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000

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

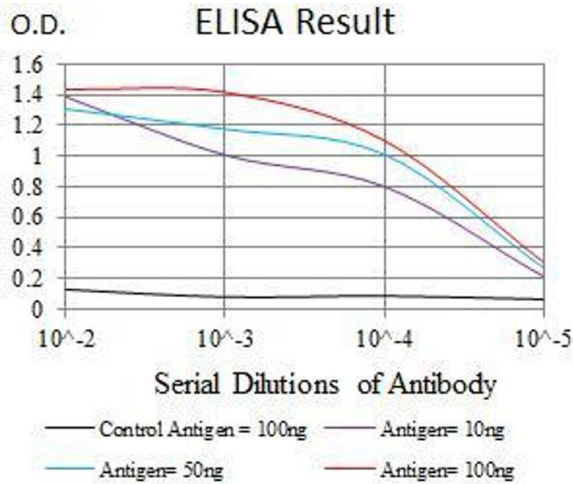
Storage Comment: 4°C, -20°C for long term storage

Publications

Product cited in: Zaha, Young: "AMP-activated protein kinase regulation and biological actions in the heart." in: **Circulation research**, Vol. 111, Issue 6, pp. 800-14, (2012) ([PubMed](#)).

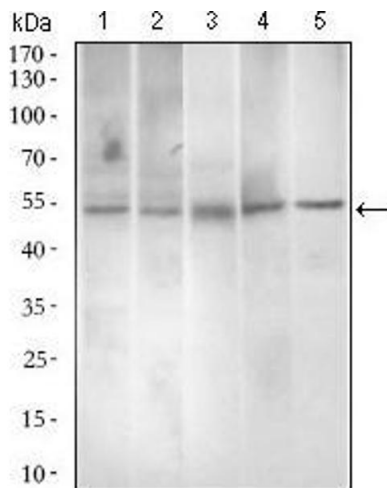
Oliveira, Zhang, Solis, Isackson, Bellahcene, Yavari, Pinter, Davies, Ge, Ashrafian, Walker, Carling, Watkins, Casadei, Redwood: "AMP-activated protein kinase phosphorylates cardiac troponin I and alters contractility of murine ventricular myocytes." in: **Circulation research**, Vol. 110, Issue

Images



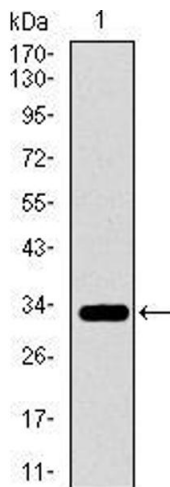
ELISA

Image 1. Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),



Western Blotting

Image 2. Western blot analysis using PAX3 mouse mAb against A549 (1), A431 (2), Jurkat (3), Rat spleen (4) and Mouse liver (5) cell lysate.



Western Blotting

Image 3. Western blot analysis using PAX3 mAb against human PAX3 recombinant protein. (Expected MW is 32.6 kDa)

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN1724816.