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Datasheet for ABIN1724912

anti-SOX10 antibody (AA 147-252)

4 Images

2 Publications

Overview

Quantity:	0.1 mg
Target:	SOX10
Binding Specificity:	AA 147-252
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SOX10 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Purified recombinant fragment of human SOX10 (AA: 147-252) expressed in E. coli.
Clone:	2E7E8
Isotype:	IgG1
Purification:	purified

Target Details

Target:	SOX10
Alternative Name:	SOX10 (SOX10 Products)
Background:	Description: This gene encodes a member of the SOX (SRY-related HMG-box) family of transcription factors involved in the regulation of embryonic development and in the

Target Details

determination of the cell fate. The encoded protein may act as a transcriptional activator after forming a protein complex with other proteins. This protein acts as a nucleocytoplasmic shuttle protein and is important for neural crest and peripheral nervous system development.

Mutations in this gene are associated with Waardenburg-Shah and Waardenburg-Hirschsprung disease. ,

Aliases: DOM, WS4, PCWH, WS2E, WS4C

Molecular Weight: 49.9 kDa

Gene ID: 6663

HGNC: 6663

Pathways: [Chromatin Binding](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified antibody in PBS with 0.05 % 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

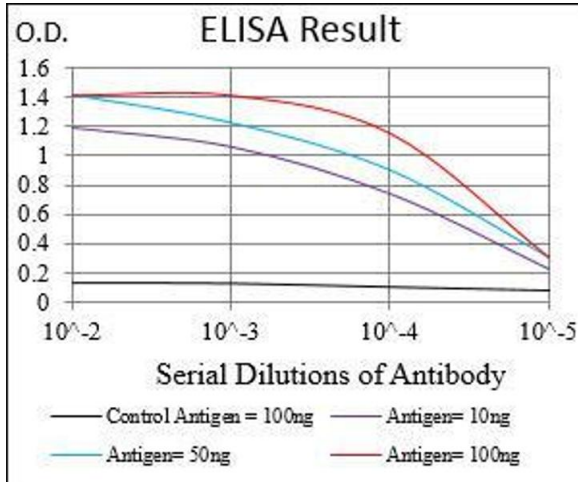
Storage Comment: 4°C, -20°C for long term storage

Publications

Product cited in: Zuhlke, Johnson, Okoth, Stoffel, Robbins, Tembe, Salinas, Zheng, Xu, Carpten, Lange, Isaacs, Cooney: "Identification of a novel NBN truncating mutation in a family with hereditary prostate cancer." in: **Familial cancer**, Vol. 11, Issue 4, pp. 595-600, (2012) ([PubMed](#)).

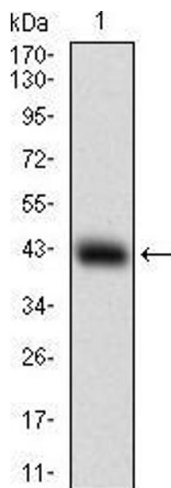
Zheng, Zhang, Jiang, You, Liu, Lu, Zhou: "Functional NBS1 polymorphism is associated with occurrence and advanced disease status of nasopharyngeal carcinoma." in: **Molecular**

Images



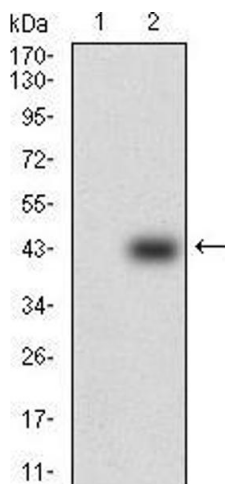
ELISA

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 SOX10 mAb against human SOX10 recombinant protein. (Expected MW is 31.7 kDa)



Western Blotting

Image 3. Western blot analysis using SOX10 mAb against HEK293 (1) and SOX10 (AA: 147-252)-hlgGfc transfected HEK293 (2) cell lysate.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN1724912.