



Datasheet for ABIN969296
anti-MSX1 antibody



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Overview

Quantity:	100 µL
Target:	MSX1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MSX1 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

Product Details

Immunogen:	Purified recombinant fragment of human MSX1 expressed in E. coli.
Clone:	5D11
Isotype:	IgG1
Purification:	purified

Target Details

Target:	MSX1
Alternative Name:	MSX1 (MSX1 Products)
Background:	Description: Drosophila,muscle segment (msh) homolog 1,homeo domain encoding gene,inhibiting MYOD1 expression,highly expressed in dental mesenchyme during critical bud stage,involved in epithelial-mesenchymal signaling in many organs,and in the pathogenesis of cleft lip and palate,interacting with MSX2 in mouse limb bud patterning .This gene encodes a

Target Details

member of the muscle segment homeobox gene family. The encoded protein functions as a transcriptional repressor during embryogenesis through interactions with components of the core transcription complex and other homeoproteins. It may also have roles in limb-pattern formation, craniofacial development, particularly odontogenesis, and tumor growth inhibition. Tissue specificity: Expressed in the developing nail bed mesenchyme.

Aliases: HOX7, HYD1, STHAG1, MSX1

Molecular Weight: 31 kDa

Gene ID: 4487

HGNC: 4487

Pathways: [Regulation of Muscle Cell Differentiation](#), [Positive Regulation of Response to DNA Damage Stimulus](#)

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

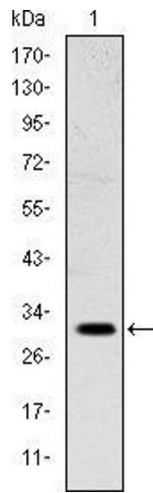
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

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

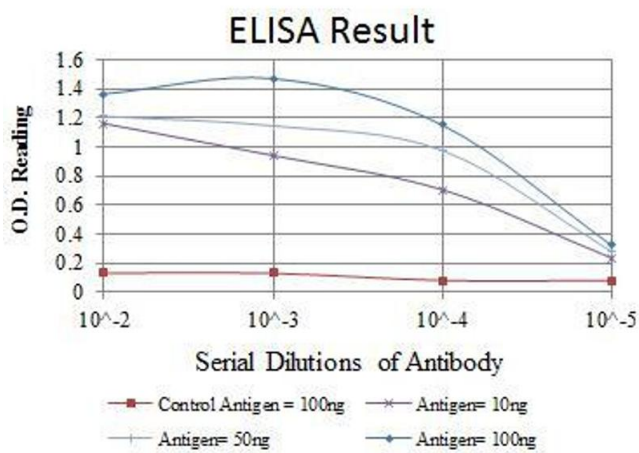
Publications

Product cited in: Jacques, Pereira, Maia, Cuzzi, Ramos-e-Silva: "Expression of cytokeratins 10, 13, 14 and 19 in oral lichen planus." in: **Journal of oral science**, Vol. 51, Issue 3, pp. 355-65, (2009) ([PubMed](#)).



Western Blotting

Image 1. Western blot analysis using MSX1 mouse mAb against NTERA-2 cell lysate.



ELISA

Image 2. Red: Control Antigen (100 ng), Purple: Antigen (10 ng), Green: Antigen (50 ng), Blue: Antigen (100 ng),