Datasheet for ABIN7600476

anti-SP7 antibody (AA 2-241)

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Overview

Quantity:	100 µg
Target:	SP7
Binding Specificity:	AA 2-241
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SP7 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-Sp7/Osterix Antibody Picoband®
Immunogen:	E.coli-derived human Sp7/Osterix recombinant protein (Position: A2-E241).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Sp7/Osterix Antibody Picoband® (ABIN7600476). Tested in ELISA, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	SP7
Alternative Name:	SP7 (SP7 Products)
Background:	Synonyms: Deleted in azoospermia-like, DAZ homolog, DAZ-like autosomal, Deleted in azoospermia-like 1, SPGY-like-autosomal, DAZL, DAZH, DAZL1, DAZLA, SPGYLA Background: Transcription factor Sp7, also called Osterix (Osx), is a protein that in humans is encoded by the SP7 gene. This gene encodes a member of the Sp subfamily of Sp/XKLF transcription factors. Sp family proteins are sequence-specific DNA-binding proteins characterized by an amino-terminal trans-activation domain and three carboxy-terminal zinc finger motifs. This protein is a bone specific transcription factor and is required for osteoblast differentiation and bone formation.
Molecular Weight:	45 kDa
Gene ID:	121340

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat ELISA, 0.1-0.5 µg/mL, - 1. Fiscaletti, M., Biggin, A., Bennetts, B., Wong, K., Briody, J., Pacey, V., Birman, C., Munns, C. F. Novel variant in Sp7/Osx associated with recessive osteogenesis imperfecta with bone fragility and hearing impairment. Bone 110: 66-75, 2018. 2. Gao, Y., Jheon, A., Nourkeyhani, H., Kobayashi, H., Ganss, B. Molecular cloning, structure, expression, and chromosomal localization of the human Osterix (SP7) gene. Gene 341: 101-110, 2004. 3. Koga, T., Matsui, Y., Asagiri, M., Kodama, T., de Crombrugghe, B., Nakashima, K., Takayanagi, H. NFAT and Osterix cooperatively regulate bone formation. Nature Med. 11: 880-885, 2005.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C

Handling

Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.

