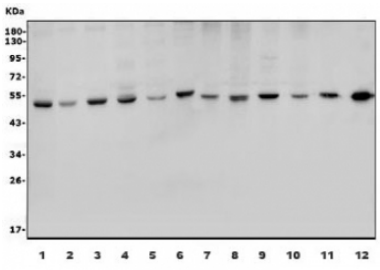
SP7 Antibody / OSX / Osterix (RQ6267)

Catalog No.	Formulation	Size
RQ6267	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q8TDD2
Applications	Western blot: 1-2ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This SP7 antibody is available for research use only.



Western blot testing of human 1) HeLa, 2) U-87 MG, 3) MDA-MB-453, 4) MCF7, 5) Jurkat, 6) ThP-1 and rat 7) lung, 8) thymus, 9) skeletal muscle, 10) testis and mouse 11) lung and 12) thymus lysate with SP7 antibody. Predicted molecular weight ~45 kDa.

Description

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.

Application Notes

Optimal dilution of the SP7 antibody should be determined by the researcher.

Immunogen

A human recombinant partial protein (amino acids A2-E241) was used as the immunogen for the SP7 antibody.

Storage

After reconstitution, the SP7 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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