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SP6 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13016c

Specification

SP6 Antibody (Center) - Product Information

Application	**WB, FC,E**
Primary Accession	Q3SY56
Other Accession	Q9ESX2, NP_954871.1
Reactivity	**Human**
Predicted	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**39840**
Antigen Region	**196-225**

SP6 Antibody (Center) - Additional Information

Gene ID 80320

Other Names
Transcription factor Sp6, Krueppel-like factor 14, SP6, KLF14

Target/Specificity
This SP6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 196-225 amino acids from the Central region of human SP6.

Dilution
WB~~1:1000
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
SP6 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

SP6 Antibody (Center) - Protein Information

Name SP6

Synonyms KLF14

Function Promotes cell proliferation (By similarity). Plays a role in tooth germ growth (By similarity). Plays a role in the control of enamel mineralization. Binds the AMBN promoter (PubMed:32167558).

Cellular Location
Nucleus.

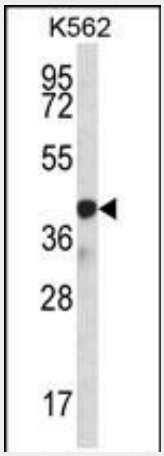
Tissue Location
Ubiquitous.

SP6 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

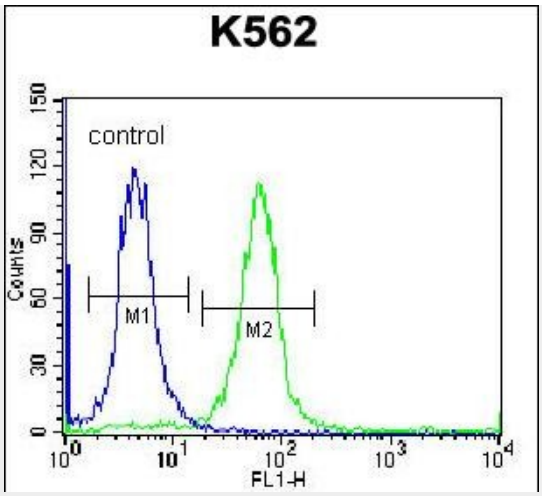
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SP6 Antibody (Center) - Images



SP6 Antibody (Center) (Cat. #AP13016c) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the SP6 antibody detected the SP6 protein (arrow).

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SP6 Antibody (Center) (Cat. #AP13016c) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.

SP6 Antibody (Center) - Background

SP6 belongs to a family of transcription factors that contain 3 classical zinc finger DNA-binding domains consisting of a zinc atom tetrahedrally coordinated by 2 cysteines and 2 histidines (C2H2 motif). These transcription factors bind to GC-rich sequences and related GT and CACCC boxes (Scohy et al., 2000 [PubMed 11087666]).

SP6 Antibody (Center) - References

Nakamura, T., et al. J. Biol. Chem. 279(1):626-634(2004)
Scohy, S., et al. Genomics 70(1):93-101(2000)