

Anti-SP6 Picoband Antibody

Catalog # ABO13063

Product Information

Application	WB
Primary Accession	Q3SY56
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for SP6 detection. Tested with WB in Human;Mouse;Rat.

Reconstitution Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	80320
Other Names	Transcription factor Sp6, Krueppel-like factor 14, SP6, KLF14
Calculated MW	39840
Application Details	Western blot, 0.1-0.5 µg/ml
Subcellular Localization	Nucleus.
Tissue Specificity	Ubiquitous.
Source	Eukaryota
Contents	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Immunogen	A synthetic peptide corresponding to a sequence of human SP6 (QPDMSHHYESWFRPTHPGAEDGSWWDLHPGTSWMDLPH).
Cross Reactivity	No cross reactivity with other proteins.
Storage	At -20° C; for one year. After r° Constitution, at 4° C; for one month. It° Can also be aliquotted and stored frozen at -20° C; for a longer time. Avoid repeated freezing and thawing.

Protein Information

Name	SP6
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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.

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. By somatic cell hybrid analysis and FISH, the SP6 gene is mapped to chromosome 17q21.3-q22.

Images

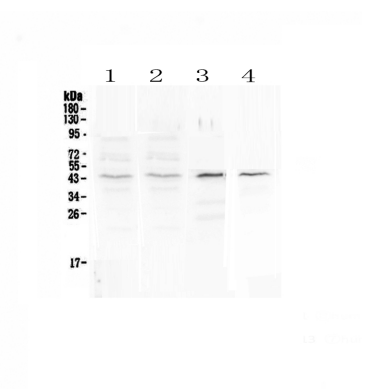


Figure 1. Western blot analysis of SP6 using anti-SP6 antibody (ABO13063).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.