

For Research Use Only

SP6 Polyclonal antibody

Catalog Number: 21234-1-AP

1 Publications



Basic Information

Catalog Number: 21234-1-AP	GenBank Accession Number: BC103951	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 220 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 80320	Recommended Dilutions: WB 1:200-1:1000 IHC 1:20-1:200 IF 1:50-1:500
Source: Rabbit	Full Name: Sp6 transcription factor	
Isotype: IgG	Calculated MW: 376 aa, 40 kDa	
Immunogen Catalog Number: AG15707		

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls:
Cited Applications: IHC, WB	WB : fetal human brain tissue, mouse brain tissue, mouse liver tissue
Species Specificity: human, mouse, rat	IHC : human skin tissue, human placenta tissue
Cited Species: human	IF : Caco-2 cells,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

SP6 (chromosome 17) is a 376 amino acid protein, which localizes in nucleus. SP6 is a transcription factor of the SP/KLF family and an indispensable regulator of the morphological dynamics of ameloblast differentiation during tooth development. The levels of sp6 protein expressed in various tissues in the embryo. This antibody detects the SP6 protein. It can't detect the KLF14/BTEB5.

This antibody was previously listed as a KLF14 antibody, because the SP6 gene on chromosome 17q21.32 has been referred to as KLF14 in the literature. SP6 should not be confused with the KLF14 gene on chromosome 7q32.2.

Notable Publications

Author	Pubmed ID	Journal	Application
Guiyang Wu	30745849	Int J Biol Sci	WB,IHC

Storage

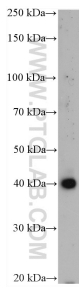
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

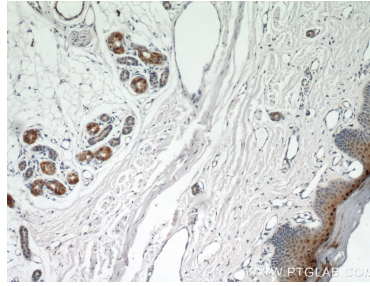
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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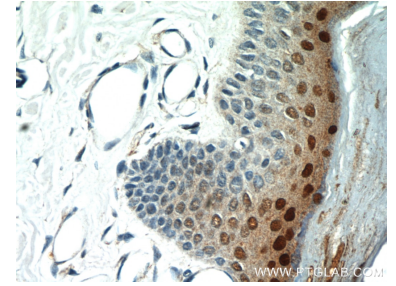
Selected Validation Data



fetal human brain tissue were subjected to SDS PAGE followed by western blot with 21234-1-AP (KLF14 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human skin using 21234-1-AP (KLF14 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human skin using 21234-1-AP (KLF14 antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed Caco-2 cells using SP6 antibody (21234-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).