

For Research Use Only

KLF6 Polyclonal antibody

Catalog Number: 14716-1-AP **6 Publications**



Basic Information

Catalog Number: 14716-1-AP	GenBank Accession Number: BC000311	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 287 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1316	Recommended Dilutions: WB 1:500-1:1000 IHC 1:20-1:200
Source: Rabbit	Full Name: Kruppel-like factor 6	
Isotype: IgG	Calculated MW: 32 kDa	
Immunogen Catalog Number: AG6440	Observed MW: 32 kDa 42-45 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : HEK-293 cells, human placenta tissue, mouse colon tissue, mouse testis tissue, mouse thymus tissue, PC-3 cells
Cited Applications: IF, WB	IHC : human testis tissue,
Species Specificity: human, mouse, rat	
Cited Species: human, mouse	

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

KLF6(krupple-like factor 6) is a zinc finger transcription factor and tumor suppressor with biological activities and transcriptional targets in growing range. It is highly expressed in placenta followed by spleen, thymus, prostate, testis, small intestine and colon. One key target gene of KLF6 in endoglin, which is a homodimeric cell membrane glycoprotein and TGF-β auxiliary receptor, owns a pro-angiogenic role in endothelial cells and is also involved in malignant progression. Also KLF6 induces apoptosis in prostate cancer cells through upregulation of ATF3. KLF6 was normal detected as a 46kDa protein, which is larger than translation product(32kDa), because of post-translational modification including both phosphorylation and glycosylation. This antibody raise against the full length of KLF6 gene of human origin, and can recognize both of KLF6, included KLF6(~32kDa), p-KLF6(~35-46kDa). Otherwise, there may be a non-specific band(50kDa) showed in detection

Notable Publications

Author	Pubmed ID	Journal	Application
Yue Wang	27690088	Nutrients	WB
Ying Yang	31723124	Cell Death Dis	WB
Yue Zhang	32581828	Front Physiol	WB,IF

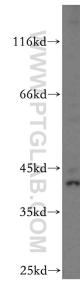
Storage

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

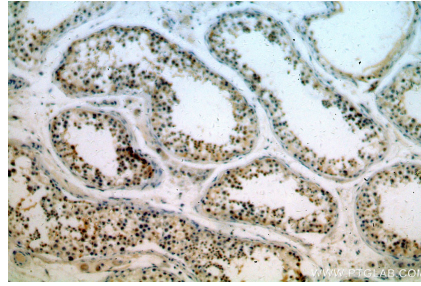
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Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 14716-1-AP (KLF6 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human testis using 14716-1-AP (KLF6 antibody) at dilution of 1:200 (under 10x lens).