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## KLF6 Rabbit pAb

Catalog Number: bs-1395R

Target Protein: KLF6

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human, Mouse, Rat (predicted:Rabbit, Pig, Cow, Chicken, Horse)

Predicted MW: 31 kDa

Entrez Gene: 1316

Swiss Prot: Q99612

Source: KLH conjugated synthetic peptide derived from human KLF6: 185-283/283.

Purification: affinity purified by Protein A

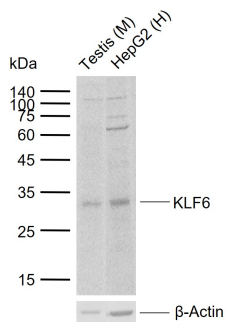
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

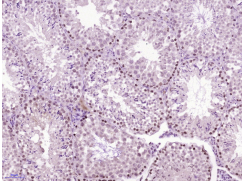
**Background:** KLF6 is a nuclear protein that has three zinc fingers at the end of its C-terminal domain, a serine/threonine-rich central region, and an acidic domain lying within the N-terminal region. The zinc fingers of this protein are responsible for the specific DNA binding with the guanine-rich core promoter elements. The central region might be involved in activation or posttranslational regulatory pathways, and the acidic N-terminal domain might play an important role in the process of transcriptional activation. It is capable of activating transcription approximately 4-fold either on homologous or heterologous promoters. The DNA binding and transcriptional activity of this protein, in conjunction with its expression pattern, suggests that this protein may participate in the regulation and/or maintenance of the basal expression of pregnancy-specific glycoprotein genes and possibly other TATA box-less genes. Two transcript variants encoding the same protein have been found for this gene.

### VALIDATION IMAGES

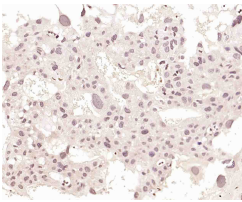
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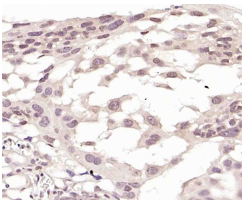
Sample: Lane 1: Mouse Testis tissue lysates Lane 2: Human HepG2 cell lysates Primary: Anti-KLF6 (bs-1395R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 31 kDa Observed band size: 32 kDa



Paraformaldehyde-fixed, paraffin embedded (Mouse testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (KLF6) Polyclonal Antibody, Unconjugated (bs-1395R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat placenta); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (KLF6) Polyclonal Antibody, Unconjugated (bs-1395R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse placenta); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (KLF6) Polyclonal Antibody, Unconjugated (bs-1395R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

## PRODUCT SPECIFIC PUBLICATIONS

[IF=4.8] Jingwen Shi. et al. Decreased expression of KLF6 in ectopic endometrial stromal cells contributes to endometriosis progression by targeting CTNNB1. CELL SIGNAL. 2024 May;;111230 IHC ; Human . 38761988

[IF=4.141] Ambreen Iqbal. et al. Deciphering the Key Regulatory Roles of KLF6 and Bta-miR-148a on Milk Fat Metabolism in Bovine Mammary Epithelial Cells. GENES-BASEL. 2022 Oct;13(10):1828 WB ; Bovine . 36292712