SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-phospho-KLF5 (Ser311)antibody

Catalog Number: SL2303R

FOR RESEARCH USE ONLY

[DATASHEET]

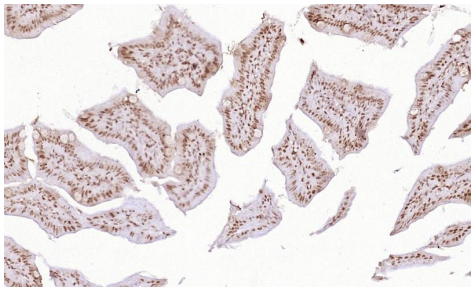
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	phospho-KLF5 (Ser311)
Immunogen:	KLH conjugated synthesised phosphopeptide derived from human KLF5 around the phosphorylation site of Ser311: PG(p-S)PD
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse,Rat(predicted:Dog,Pig,Cow,Horse,Rabbit)
Predicted MW.:	50kDa
Subcellular Location:	The nucleus
Background:	Kinesin 5B; Klf5; CKLF; Krueppel-like factor 5; Intestinal-enriched krueppel-like factor; Transcription factor BTEB2; Basic transcription element-binding protein 2; BTE-binding protein 2; Krueppel-like factor 5; KLF5; basic transcription element-binding protein 2;BTEB2; intestine enriched krüppel-like factor; IKLF; Kruppel like factor 5. **Function:** Transcription factor that binds to GC box promoter elements. Activates the transcription of these genes. **Subunit:** Interacts with WWP1. **Subcellular Location:** Nucleus. **Tissue Specificity:** Expressed only in testis and placenta. **Post-translational modifications:** Ubiquitinated. Polyubiquitination involves

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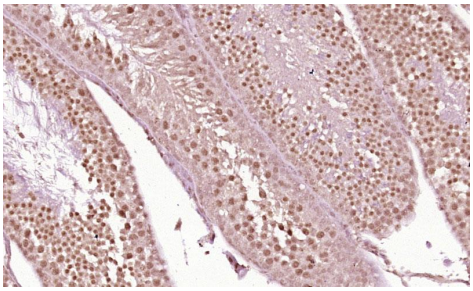
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	WWP1 and leads to proteasomal degradation of this protein. **Similarity:** Belongs to the krueppel C2H2-type zinc-finger protein family. Contains 3 C2H2-type zinc fingers. **Database links:** **Entrez Gene:** 535702 Cow **Entrez Gene:** 688 Human **Entrez Gene:** 12224 Mouse **Entrez Gene:** 100038005 Pig **Entrez Gene:** 84410 Rat Omim: 602903 Human **SwissProt:** Q13887 Human **SwissProt:** Q9Z0Z7 Mouse **Unigene:** 508234 Human **Unigene:** 30262 Mouse **Unigene:** 8954 Rat

[VALIDATION IMAGES]



Paraformaldehyde-fixed, paraffin embedded (Mouse small intestine); 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 (phospho-KLF5(Ser311)) Polyclonal Antibody, Unconjugated (SL2303R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



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 (phospho-KLF5(Ser311)) Polyclonal Antibody, Unconjugated (SL2303R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

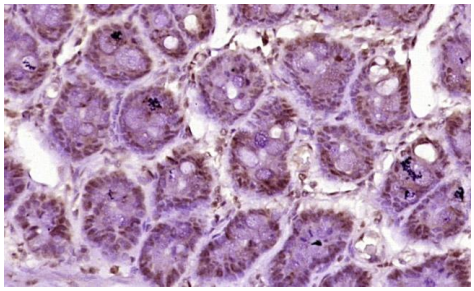
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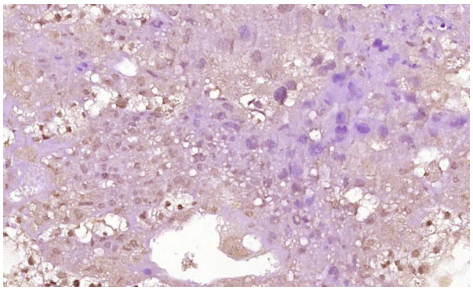
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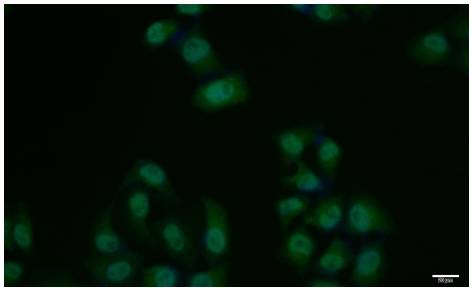
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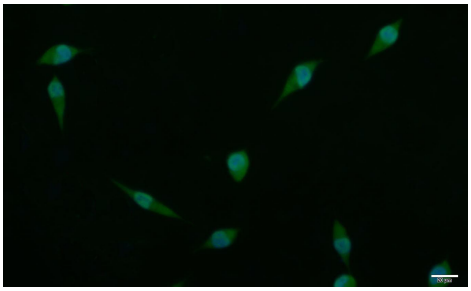
Paraformaldehyde-fixed, paraffin embedded (rat intestine tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (KLF5(Ser311)) Polyclonal Antibody, Unconjugated (SL2303R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



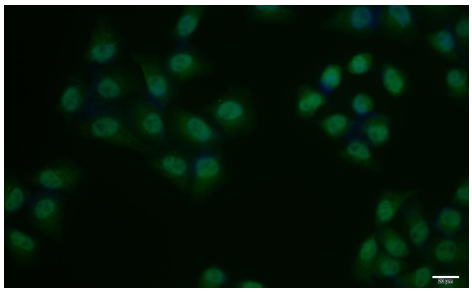
Paraformaldehyde-fixed, paraffin embedded (Mouse placenta); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (phospho-KLF5(Ser311)) Polyclonal Antibody, Unconjugated (SL2303R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Hela cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (phospho-KLF5 (Ser311)) polyclonal Antibody, Unconjugated (SL2303R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.



A431 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (phospho-KLF5 (Ser311)) polyclonal Antibody, Unconjugated (SL2303R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.



Hela cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (phospho-KLF5 (Ser311)) polyclonal Antibody, Unconjugated (SL2303R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

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