Data Sheet (Cat.No.TMAB-01996)

Anti-ZNF307/ZKSCAN3 Polyclonal Antibody

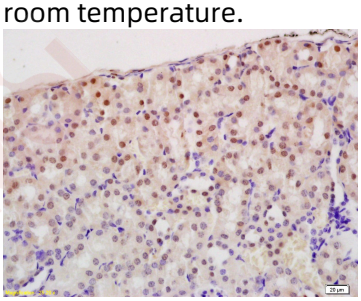
Product Details

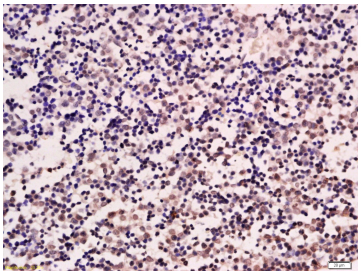
Ig Type:	IgG
Reactivity:	Human,Mouse (predicted:Rat,Dog,Cow,Horse,Rabbit)
Molecular Weight:	Theoretical: 62 kDa. Actual: 62 kDa.
Purification:	Protein A purified

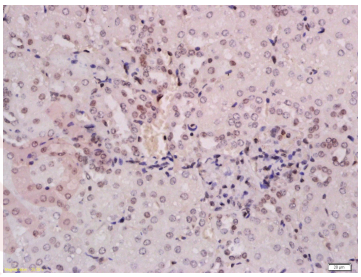
Applications

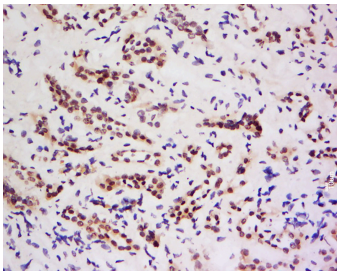
Verified Activity:	1. Tissue/cell: mouse kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-ZNF307 Polyclonal Antibody, Unconjugated (TMAB-01996) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAb staining. 2. Tissue/cell: mouse fetal liver; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-ZNF307 Polyclonal Antibody, Unconjugated (TMAB-01996) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAb staining. 3. Tissue/cell: mouse kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-ZNF307 Polyclonal Antibody, Unconjugated (TMAB-01996) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAb staining. 4. Tissue/cell: human kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-ZNF307 Polyclonal Antibody, Unconjugated (TMAB-01996) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAb staining. 5. Sample: K562 (Human) Cell Lysate at 40 µg Primary: Anti-ZNF307/ZKSCAN3 (TMAB-01996) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 62 kDa Observed band size: 62 kDa 6. SH-SY5Y cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Antibody incubation with (ZNF307/ZKSCAN3) polyclonal Antibody, Unconjugated (TMAB-01996) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nucleus. 7. Blank control (black line): SH-SY5Y. Primary Antibody (green line): Rabbit Anti-ZNF307/ZKSCAN3 antibody (TMAB-01996) Dilution: 2 µg/Test;

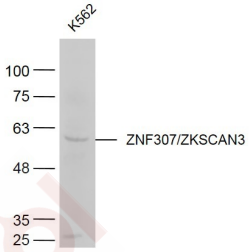
Secondary Antibody (white blue line): Goat anti-rabbit IgG-AF488
Dilution: 0.5 μg/Test.
Isotype control (orange line): Normal Rabbit IgG
Protocol
The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at-20°C, The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature.

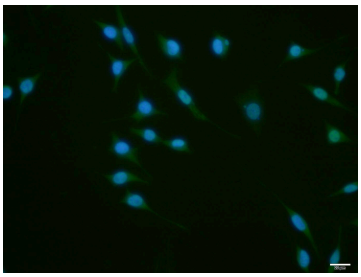


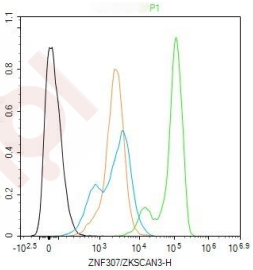












Application:	FCM,ICC/IF,IF,IHC-Fr,IHC-P,WB
Recommended	FCM=2 μg/Test; ICC/IF=1:100-500; IF=1:100-500; IHC-Fr=1:100-500; IHC-P=1:100-500; WB=1:500-2000

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human ZNF307
Antigen Species:	Human
Gene ID:	387032
Uniprot ID:	Q969J2
Synonyms:	ZKSCAN3;ZSCAN13;FLJ32136;ZKSC4;Zinc finger protein 47 homolog;Zinc finger with KRAB and SCAN domains 4;Zinc finger and SCAN domain-containing protein 13;Zinc finger with KRAB and SCAN domains 3;Zfp-47;ZFP306;ZNF309;P1P373C6;Zfp307;Zinc finger protein 306;SCAN-KRAB-zinc finger protein;Zinc finger protein zfp47;P373c6.1;Zinc finger protein with KRAB and SCAN domains 3;Zinc finger protein 309;Zinc finger protein 307;Skz1;p373c6.1(novel C2H2 type zinc finger protein);ZSCAN35;Zinc finger protein 306, isoform CRA_a;dJ874C20.1;ZKSC3;Zf47;ZKSCAN4;Zfp47;mszf35

Research Background

ZNF307 contains 1 SCAN box domain, 1 KRAB domain and 7 C2H2-type zinc fingers. It belongs to the Krueppel C2H2-type zinc-finger protein family and may be involved in transcriptional regulation. [SUBCELLULAR LOCATION] Nucleus. Expressed in adult heart, brain, placenta, lung and kidney, but not in adult liver and skeletal muscle. In 17-day old embryo, detected in liver, skeletal muscle, brain, heart and small intestine.

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