

Anti-SIRT3 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 28/43 kDa.
Purification:	Protein A purified

Applications

1. Sample:

Lane 1: Panc-1 (Human) Cell Lysate at 30 µg

Lane 2: 293T (Human) Cell Lysate at 30 µg

Lane 3: K562 (Human) Cell Lysate at 30 µg

Lane 4: HepG2 (Human) Cell Lysate at 30 µg

Primary:

Anti-SIRT3 (TMAB-01692) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 28 kDa

Observed band size: 28 kDa

2. Paraformaldehyde-fixed, paraffin embedded Mouse Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with SIRT3 Polyclonal Antibody, Unconjugated (TMAB-01692) at 1:200 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

3. Paraformaldehyde-fixed, paraffin embedded Rat Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with SIRT3 Polyclonal Antibody, Unconjugated (TMAB-01692) at 1:200 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

Verified Activity:

4. Paraformaldehyde-fixed, paraffin embedded Human Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with SIRT3 Polyclonal Antibody, Unconjugated (TMAB-01692) at 1:200 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

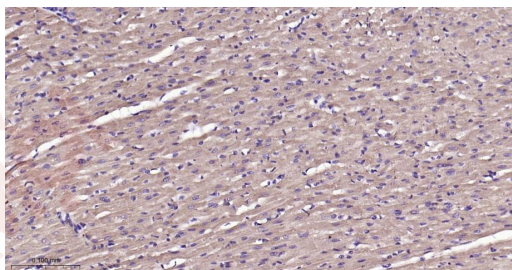
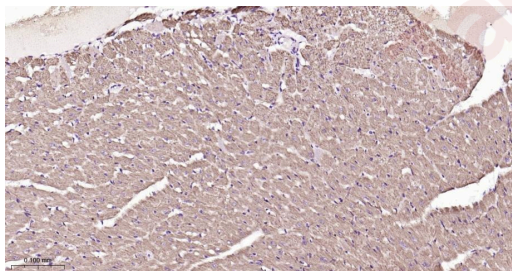
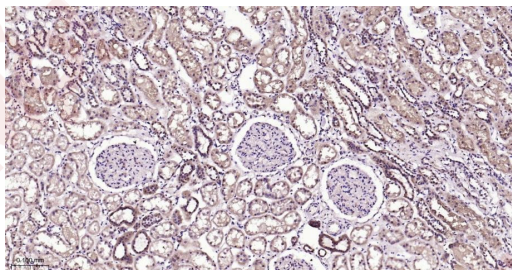
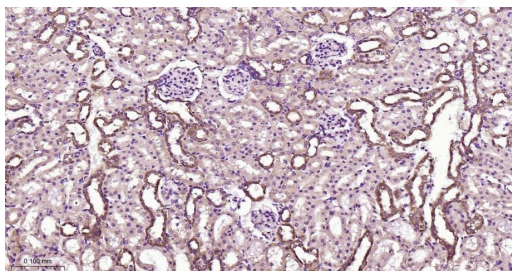
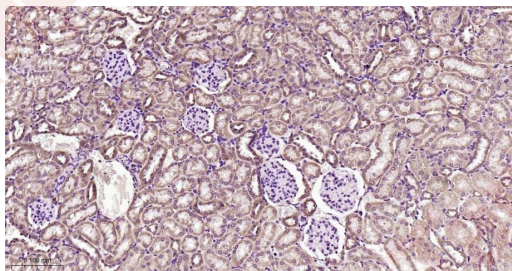
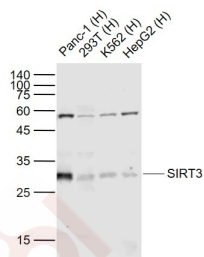
5. Paraformaldehyde-fixed, paraffin embedded Mouse Heart; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with SIRT3 Polyclonal Antibody, Unconjugated (TMAB-01692) at 1:200 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

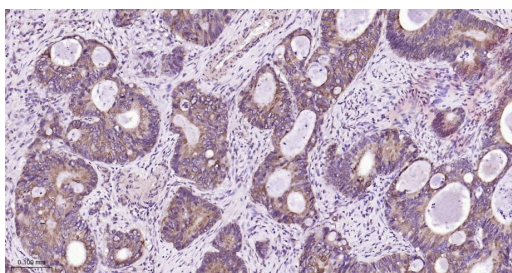
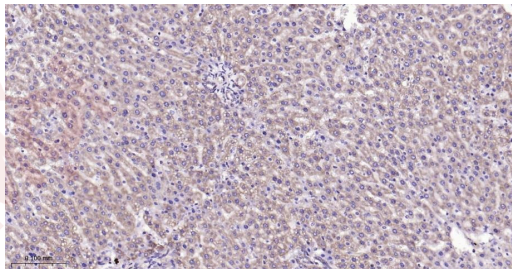
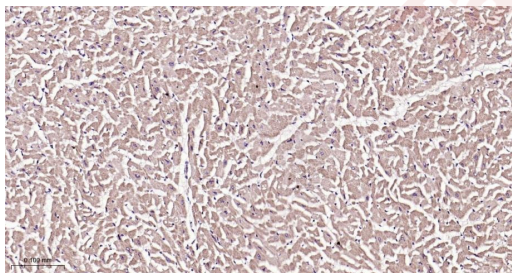
6. Paraformaldehyde-fixed, paraffin embedded Rat Heart; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with SIRT3 Polyclonal Antibody, Unconjugated (TMAB-01692) at 1:200 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

7. Paraformaldehyde-fixed, paraffin embedded Human Heart; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with SIRT3 Polyclonal Antibody, Unconjugated (TMAB-01692) at 1:200 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

8. Paraformaldehyde-fixed, paraffin embedded Rat Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with SIRT3 Polyclonal Antibody, Unconjugated (TMAB-01692) at 1:200 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

9. Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with SIRT3 Polyclonal Antibody, Unconjugated (TMAB-01692) at 1:200 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.





Application: IF,IHC-Fr,IHC-P

Recommended IF=1:50-200; IHC-Fr=1:50-200; IHC-P=1:50-200

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 SIRT3

Antigen Species: Human

Gene ID: 23410

Uniprot ID: Q9NTG7

Synonyms: hSIRT3;Regulatory protein SIR2 homolog 3;NAD-dependent protein deacetylase sirtuin-3; SIR2L3;SIRT3;mitochondrial;SIR2-like protein 3;NAD-dependent protein deacetylase sirtuin-3, mitochondrial

Biology Area: Tumor suppressors,Cardiac metabolism,Other cell division antibodies,Acetylation,Class III / Sir2 class,Obesity

Research Background

SIRT3 encodes a member of the sirtuin family of class III histone deacetylases, homologs to the yeast Sir2 protein. The encoded protein is found exclusively in mitochondria, where it can eliminate reactive oxygen species, inhibit apoptosis, and prevent the formation of cancer cells. SIRT3 has far-reaching effects on nuclear gene expression, cancer, cardiovascular disease, neuroprotection, aging, and metabolic control. [provided by RefSeq, May 2019]

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