

Product datasheet for TA303141

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SIRT1 Goat Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Recommended Dilution: ELISA: 1:64,000. WB: 0.1-0.3µg/ml.

Reactivity: Mouse (Expected from sequence similarity: Human, Rat, Dog)

Host: Goat Isotype: IgG

Clonality: Polyclonal

Immunogen: Peptide with sequence C-EITEKPPRTQKE, from the internal region of the protein sequence

according to NP_036370.2.

Formulation: Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum

albumin.

Concentration: lot specific

Purification: Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity

chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize

freezing and thawing.

Conjugation: Unconjugated

Storage: Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Gene Name: sirtuin 1

Database Link: NP 001135970

Entrez Gene 93759 MouseEntrez Gene 309757 RatEntrez Gene 489012 DogEntrez Gene 23411

Human Q96EB6



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Background: This gene encodes a member of the sirtuin family of proteins, homologs to the yeast Sir2

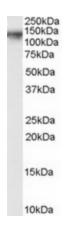
protein. Members of the sirtuin family are characterized by a sirtuin core domain and grouped into four classes. The functions of human sirtuins have not yet been determined; however, yeast sirtuin proteins are known to regulate epigenetic gene silencing and suppress recombination of rDNA. Studies suggest that the human sirtuins may function as intracellular regulatory proteins with mono-ADP-ribosyltransferase activity. The protein encoded by this gene is included in class I of the sirtuin family. Alternative splicing results in multiple

transcript variants. [provided by RefSeq]

Synonyms: SIR2; SIR2alpha; SIR2L1

Protein Families: Druggable Genome, Stem cell - Pluripotency, Transcription Factors

Product images:



TA303141 (0.1ug/ml) staining of HeLa cell lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.