

## Product datasheet for **TA330288**

### SIRT7 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-SIRT7 antibody: synthetic peptide directed towards the middle region of human SIRT7. Synthetic peptide located within the following region: GEEGSHSRKSLCRSREEAPPGDRGAPLSSAPILGGWFGRGCTKRTRKKV
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	45 kDa
Gene Name:	sirtuin 7
Database Link:	<a href="#">NP_057622</a> <a href="#">Entrez Gene 51547 Human</a> <a href="#">Q9NRC8</a>



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**Background:**

SIRT7 is 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. SIRT7 is included in class IV of the sirtuin family. 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 IV of the sirtuin family.

**Synonyms:**

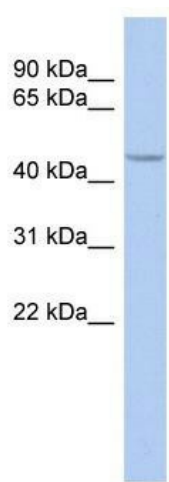
SIR2L7

**Note:**

Immunogen sequence homology: Human: 100%; Horse: 86%; Bovine: 86%; Dog: 79%

**Protein Families:**

Druggable Genome, Transcription Factors

**Product images:**


WB Suggested Anti-SIRT7 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:312500; Positive Control: SH-SY5Y cell lysate