

Product datasheet

Human SIRT2 Antibody Pair - BSA and Azide free ab244042

Recombinant RabMAb

[3 Images](#)

Overview

Product name	Human SIRT2 Antibody Pair - BSA and Azide free
Assay type	ELISA set
Range	15.6 pg/ml - 1000 pg/ml
Species reactivity	Reacts with: Human
Product overview	<p>The Antibody Pair can be used to quantify Human SIRT2. BSA and Azide free antibody pairs include unconjugated capture and detector antibodies suitable for sandwich ELISAs. The antibodies are provided at an approximate concentration of 1 mg/ml as measured by the protein A280 method. The recommended antibody orientation is based on internal optimization for ELISA-based assays. Antibody orientation is assay dependent and needs to be optimized for each assay type. Both capture and detector antibodies are rabbit monoclonal antibodies delivering consistent, specific, and sensitive results.</p> <p>For additional information on the performance of the antibody pair, see the equivalent SimpleStep ELISA® Kit (ab227895), which uses the same antibodies. However, due to differences in their formulation, this antibody pair cannot be used with the consumables provided with our SimpleStep ELISA Kits. Please note that the range provided for the pairs is only an estimation based on the performance of the related product using the same antibody pair. Performance of the antibody pair will depend on the specific characteristics of your assay. We guarantee the product works in sandwich ELISA, but we do not guarantee the sensitivity or dynamic range of the antibody pair in your assay.</p>
Tested applications	Suitable for: Sandwich ELISA
Platform	Reagents

Properties

Storage instructions	Store at +4°C. Please refer to protocols.
Carrier free	Yes

Components	10 x 96 tests
Human SIRT2 Capture Antibody (unconjugated)	1 x 100µg
Human SIRT2 Detector Antibody (unconjugated)	1 x 100µg

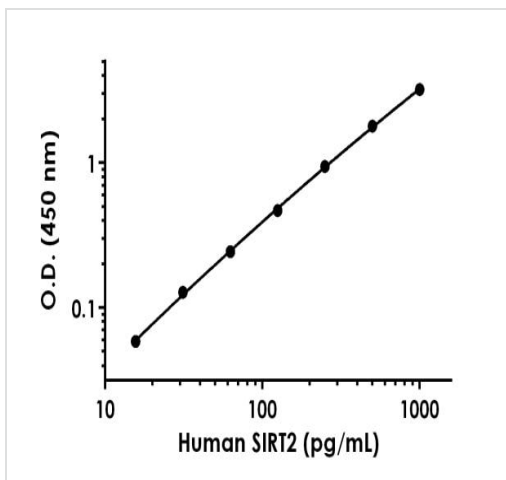
Function	NAD-dependent protein deacetylase, which deacetylates the 'Lys-40' of alpha-tubulin. Involved in the control of mitotic exit in the cell cycle, probably via its role in the regulation of cytoskeleton.
Tissue specificity	Widely expressed. Highly expressed in heart, brain and skeletal muscle, while it is weakly expressed in placenta and lung. Down-regulated in many gliomas suggesting that it may act as a tumor suppressor gene in human gliomas possibly through the regulation of microtubule network.
Sequence similarities	Belongs to the sirtuin family. Contains 1 deacetylase sirtuin-type domain.
Developmental stage	Peaks during mitosis. After mitosis, it is probably degraded by the 26S proteasome.
Post-translational modifications	Phosphorylated at the G2/M transition of the cell cycle.
Cellular localization	Cytoplasm > cytoskeleton. Colocalizes with microtubules.

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab244042 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

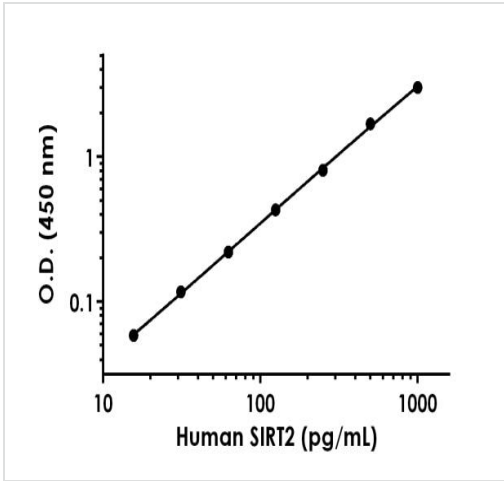
Application	Abreviews	Notes
Sandwich ELISA		Use at an assay dependent concentration.

Images



Representative standard curve from corresponding SimpleStep ELISA® Kit ([ab227895](#)), which uses the same antibody pair. For additional information on the performance of pair and kit, refer to the corresponding kit datasheet. Due to differences in the formulation and format of the antibodies in this pair, they cannot be used as substitutes for the antibody components in our SimpleStep ELISA® Kits.

Sandwich ELISA - Human SIRT2 Antibody Pair - BSA and Azide free (ab244042)



Sandwich ELISA - Human SIRT2 Antibody Pair -
BSA and Azide free (ab244042)

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Powered by
recombinant antibodies

 Research with confidence Consistent and reproducible results	 Long-term and scalable supply Recombinant technology
 Success from the first experiment Confirmed specificity	 Ethical standards compliant Animal-free production

Sandwich ELISA - Human SIRT2 Antibody Pair -
BSA and Azide free (ab244042)

To learn more about the advantages of recombinant antibodies see [here](#).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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