

## Product datasheet

# Anti-SIRT2 antibody [EPR20411-93] ab222675

Recombinant **RabMAb**

### Overview

<b>Product name</b>	Anti-SIRT2 antibody [EPR20411-93]
<b>Description</b>	Rabbit monoclonal [EPR20411-93] to SIRT2
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> Sandwich ELISA
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	The details of the immunogen for this antibody are not available.

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.02% Sodium azide Constituent: PBS
<b>Purity</b>	Affinity purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR20411-93
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab222675** 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.

### Target

<b>Function</b>	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.
<b>Tissue specificity</b>	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.
<b>Sequence similarities</b>	Belongs to the sirtuin family. Contains 1 deacetylase sirtuin-type domain.
<b>Developmental stage</b>	Peaks during mitosis. After mitosis, it is probably degraded by the 26S proteasome.
<b>Post-translational modifications</b>	Phosphorylated at the G2/M transition of the cell cycle.
<b>Cellular localization</b>	Cytoplasm > cytoskeleton. Colocalizes with microtubules.

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