

## Datasheet for ABIN7606296 **anti-SIRT2 antibody**

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### Overview

|              |                                                                                                                               |
|--------------|-------------------------------------------------------------------------------------------------------------------------------|
| Quantity:    | 100 µL                                                                                                                        |
| Target:      | SIRT2                                                                                                                         |
| Reactivity:  | Human, Rat                                                                                                                    |
| Host:        | Rabbit                                                                                                                        |
| Clonality:   | Monoclonal                                                                                                                    |
| Conjugate:   | This SIRT2 antibody is un-conjugated                                                                                          |
| Application: | Western Blotting (WB), Immunofluorescence (IF), Immunoprecipitation (IP),<br>Immunocytochemistry (ICC), Flow Cytometry (FACS) |

### Product Details

|                  |                                                                                                                                                             |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:         | Anti-SIRT2/Sirtuin 2 Rabbit Monoclonal Antibody                                                                                                             |
| Immunogen:       | A synthesized peptide derived from human SIRT2                                                                                                              |
| Clone:           | EBA-19                                                                                                                                                      |
| Isotype:         | IgG                                                                                                                                                         |
| Characteristics: | Anti-SIRT2/Sirtuin 2 Rabbit Monoclonal Antibody (ABIN7606296). Tested in WB, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Rat. |
| Purification:    | Affinity-chromatography                                                                                                                                     |

### Target Details

|         |       |
|---------|-------|
| Target: | SIRT2 |
|---------|-------|

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alternative Name: | SIRT2 ( <a href="#">SIRT2 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Background:       | <p>Synonyms: NAD-dependent protein deacetylase sirtuin-2,3.5.1.-,Regulatory protein SIR2 homolog 2,SIR2-like protein 2,SIRT2,SIR2L, SIR2L2,</p> <p>Tissue Specificity: Isoform 1 is expressed in heart, liver and skeletal muscle, weakly expressed in the cortex. Isoform 2 is strongly expressed in the cortex, weakly expressed in heart and liver. Weakly expressed in several malignancies including breast, liver, brain, kidney and prostate cancers compared to normal tissues. Weakly expressed in glioma cell lines compared to normal brain tissues (at protein level). 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. .</p> |
| Molecular Weight: | 160-180 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

## Application Details

|                    |                                                            |
|--------------------|------------------------------------------------------------|
| Application Notes: | WB 1:500-1:2000<br>ICC/IF 1:50-1:200<br>IP 1:50<br>FC 1:30 |
| Restrictions:      | For Research Use only                                      |

## Handling

|                    |                                                                                                                         |
|--------------------|-------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                  |
| Reconstitution:    | Restore with deionized water (or equivalent) for reconstitution volume of 1.0 mL                                        |
| Concentration:     | Lot specific                                                                                                            |
| Buffer:            | Rabbit IgG in phosphate buffered saline, pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol, 0.4-0.5 mg/mL BSA. |
| Preservative:      | Sodium azide                                                                                                            |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.  |
| Storage:           | 4 °C,-20 °C                                                                                                             |
| Storage Comment:   | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one                        |

month. Avoid repeated freeze-thaw cycles.