

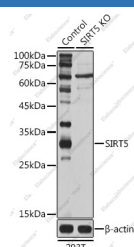
## (KO Validated) SIRT5 Polyclonal Antibody

catalog number: E-AB-92677

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

| Description  |                                                                                    |
|--------------|------------------------------------------------------------------------------------|
| Reactivity   | Human;Mouse;Rat                                                                    |
| Immunogen    | Recombinant fusion protein of human SIRT5                                          |
| Host         | Rabbit                                                                             |
| Isotype      | Rabbit IgG                                                                         |
| Purification | Affinity purification                                                              |
| Buffer       | Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol. |
| Applications | Recommended Dilution                                                               |
| WB           | 1:500-1:2000                                                                       |

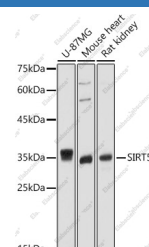
## Data



Western blot analysis of extracts from normal (control) and SIRT5 knockout (KO) 293T cells, using SIRT5 Polyclonal Antibody at 1:1000 dilution.

**Observed-MW:30 kDa**

**Calculated-MW:21 kDa/31 kDa/32 kDa/33 kDa**



Western blot analysis of extracts of various cell lines using SIRT5 Polyclonal Antibody at 1:1000 dilution.

**Observed-MW:30 kDa**

**Calculated-MW:21 kDa/31 kDa/32 kDa/33 kDa**

## Preparation & Storage

|                 |                                                                                                        |
|-----------------|--------------------------------------------------------------------------------------------------------|
| <b>Storage</b>  | Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.                                        |
| <b>Shipping</b> | The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended. |

## 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 III of the sirtuin family. Alternative splicing of this gene results in multiple transcript variants.