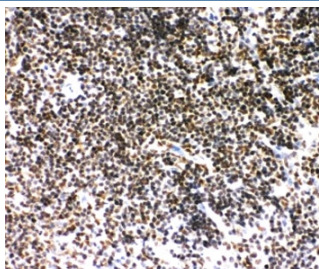


## SIRT7 Antibody (R31771)

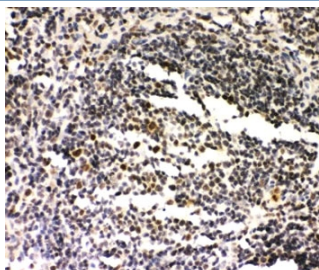
Catalog No.	Formulation	Size
R31771	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

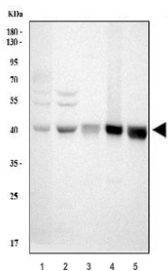
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
<b>UniProt</b>	Q9NRC8
<b>Localization</b>	Cytoplasmic, nuclear
<b>Applications</b>	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 0.5-1ug/ml
<b>Limitations</b>	This SIRT7 antibody is available for research use only.



IHC-P: SIRT7 antibody staining of mouse spleen tissue.



IHC-P: SIRT7 antibody staining of rat spleen tissue.



Western blot testing of 1) human 293T, 2) human HepG2, 3) rat spleen, 4) rat thymus and 5) mouse thymus lysate with SIRT7 antibody. Predicted molecular weight ~45 kDa.

## Description

Sirtuin 7 is a member of the sirtuin family of proteins, homologs to the yeast Sir2 protein. Members of the 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.

## Application Notes

Titration of the SIRT7 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

Human partial recombinant protein (AA 8-350) was used as the immunogen for this SIRT7 antibody.

## Storage

The lyophilized SIRT7 antibody can be stored at 4°C. After reconstitution, aliquot and store at -20°C. Avoid repeated freezing and thawing.