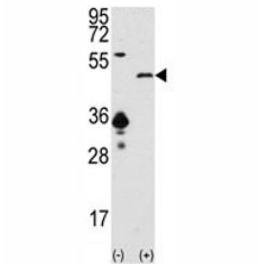
SIRT7 Antibody (F49523)

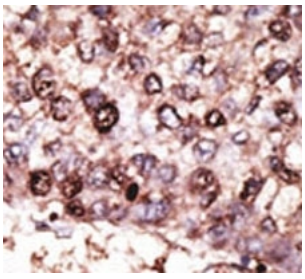
Catalog No.	Formulation	Size
F49523-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F49523-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse, Rat, Bovine
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q9NRC8
Applications	Western blot: 1:1000 IHC (Paraffin): 1:50-1:100
Limitations	This SIRT7 antibody is available for research use only.



Western blot analysis of SIRT7 antibody and 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the SIRT7 gene (2).



IHC analysis of FFPE human hepatocarcinoma tissue stained with the SIRT7 antibody

Description

SIRT7 is 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.

Application Notes

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

Immunogen

A portion of amino acids 331-360 from the human protein was used as the immunogen for this SIRT7 antibody.

Storage

Aliquot the SIRT7 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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