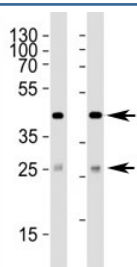


SIRT3 Antibody (F49519)

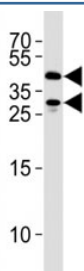
Catalog No.	Formulation	Size
F49519-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F49519-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

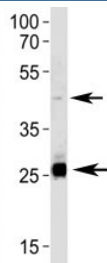
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q9NTG7
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:50-1:100
Limitations	This SIRT3 antibody is available for research use only.



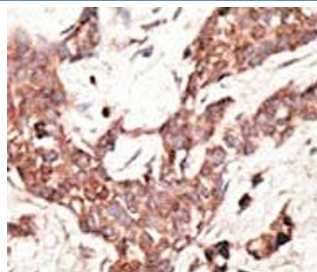
Western blot analysis of lysate from (1) 293 and (2) HepG2 cell line using SIRT3 antibody at 1:1000. Predicted size: 44/28 kDa (full/processed)



SIRT3 antibody western blot analysis in 293 cell lysate. Predicted size: 44/28 kDa (full/processed)



SIRT3 antibody western blot analysis in HepG2 lysate. Predicted size: 44/28 kDa (full/processed)



IHC analysis of FFPE human breast carcinoma tissue stained with the SIRT3 antibody

Description

SIRT3 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. The SIRT3 is included in class I of the sirtuin family.

Application Notes

Titration of the SIRT3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 250-279 from the human protein was used as the immunogen for this SIRT3 antibody.

Storage

Aliquot the SIRT3 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.