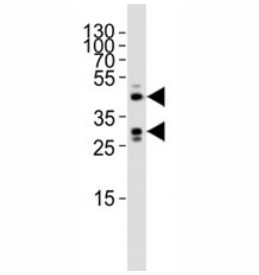
SIRT3 Antibody (F49520)

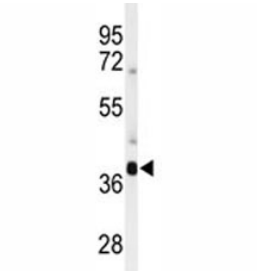
Catalog No.	Formulation	Size
F49520-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F49520-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

Bulk quote request

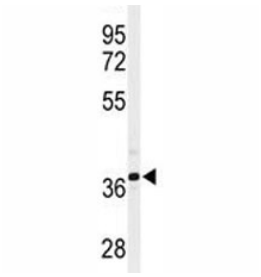
Availability	1-3 business days
Species Reactivity	Human, Mouse, Hamster
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q8R104
Applications	Western blot: 1:1000 IHC (Paraffin): 1:50-1:100
Limitations	This SIRT3 antibody is available for research use only.



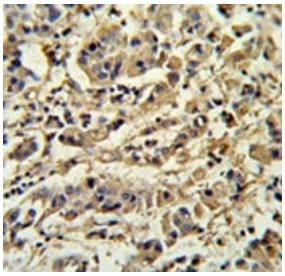
SIRT3 Antibody Mouse Heart Tissue WB. Western blot analysis of lysate from mouse heart tissue lysate using SIRT3 antibody diluted at 1:1000.



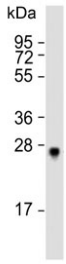
SIRT3 Antibody Mouse Brain WB. Western blot analysis of SIRT3 antibody and mouse brain tissue lysate



SIRT3 Antibody CHO Cell WB. Western blot analysis of SIRT3 antibody and CHO lysate.



SIRT3 antibody IHC analysis in formalin fixed and paraffin embedded human breast carcinoma.



Western blot analysis of SIRT3 antibody and mouse liver lysate

Description

SIRT3 is an NAD-dependent protein deacetylase. Activates or deactivates mitochondrial target proteins by deacetylating key lysine residues. Known targets include ACSS1, IDH, GDH, PDHA1, SOD2, LCAD, SDHA and the ATP synthase subunit ATP5O. Contributes to the regulation of the cellular energy metabolism. Important for regulating tissue-specific ATP levels. [UniProt]

Researchers studying mitochondrial metabolism, oxidative stress adaptation, and cellular energy regulation pathways may also be interested in our SIRT3 Antibody / Mitochondrial Metabolism Regulator page featuring validated immunofluorescence, flow cytometry, and protein microarray specificity data for mitochondrial biology research.

Application Notes

The stated application concentrations are suggested starting points. Titration of the SIRT3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 304-334 from the mouse protein was used as the immunogen for this SIRT3 antibody.

Storage

Store at 4oC for up to one month. For long term, aliquot the SIRT3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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