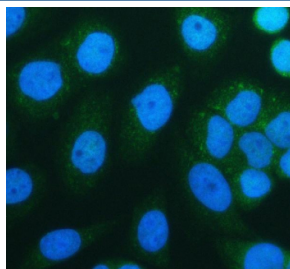


SIRT3 Antibody / Sirtuin 3 (FY13394)

Catalog No.	Formulation	Size
FY13394	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml	100 ug

Bulk quote request

Availability	1-2 days
Species Reactivity	Human, Mouse, Rat
Format	Lyophilized
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Immunogen affinity purified
Buffer	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
UniProt	Q9NTG7
Localization	Cytoplasm (Mitochondria)
Applications	Western Blot : 0.25-0.5ug/ml Immunofluorescence : 5ug/ml ELISA : 0.1-0.5ug/ml
Limitations	This SIRT3 antibody is available for research use only.



Immunofluorescent staining of FFPE human SiHa cells with SIRT3 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.

has attracted interest due to its association with longevity and resilience to age-related mitochondrial decline. Caloric restriction and exercise-two interventions known to extend healthspan-consistently enhance SIRT3 expression and activity.

Research using SIRT3 antibody supports investigations into mitochondrial metabolism, oxidative stress biology, aging, metabolic disease, and tumor bioenergetics. SIRT3 antibody is validated for use in relevant research applications to detect Sirtuin 3 expression and examine its involvement in mitochondrial regulation and metabolic adaptation. NSJ Bioreagents provides SIRT3 antibody reagents optimized for studies in cell metabolism, redox signaling, mitochondrial physiology, and disease pathogenesis.

Application Notes

Optimal dilution of the SIRT3 antibody should be determined by the researcher.

Immunogen

A synthetic peptide corresponding to a sequence in the middle region of human SIRT3, which shares 80% amino acid (aa) sequence identity with mouse and rat SIRT3.

Storage

After reconstitution, the SIRT3 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.