

À des fins de recherche uniquement

Anticorps Monoclonal anti-SIRT4

Numéro de catalogue: 66543-1-Ig

Phare

20 Publications



Informations de base

Numéro de catalogue: 66543-1-Ig	Numéro d'acquisition GenBank: BC109319	Méthode de purification: Purification par protéine A
Taille: 150ul , Concentration: 1000 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 23409	CloneNo.: 1D5A2
Hôte: Mouse	Nom complet: sirtuin (silent mating type information regulation 2 homolog) 4 (S. cerevisiae)	Dilutions recommandées: WB 1:20000-1:80000
Isotype: IgG1	MW calculé 314 aa, 35 kDa	
Immunogen Catalog Number: AG17347	MW observés: 35 kDa	

Applications

Applications testées: WB, ELISA	Contrôles positifs: WB : cellules HeLa, cellule NCCIT, cellules L02, cellules PC-3
Demandes citées: IF, IHC, WB	
Spécificité de l'espèce: Humain	
Espèces citées: Humain, rat, souris	

Informations générales

SIRT4, also named as NAD-dependent protein lipoamidase sirtuin-4, mitochondria, is a 314 amino acid protein, which belongs to the sirtuin family. Class II subfamily. SIRT4 is detected in vascular smooth muscle and striated muscle. SIRT4 is detected in insulin-producing beta-cells in pancreas islets of Langerhans. SIRT4 Acts as NAD-dependent protein lipoamidase, ADP-ribosyl transferase and deacetylase. It catalyzes more efficiently removal of lipoyl- and biotinyl- than acetyl-lysine modifications and inhibits the pyruvate dehydrogenase complex (PDH) activity via the enzymatic hydrolysis of the lipoamide cofactor from the E2 component, DLAT, in a phosphorylation-independent manner. SIRT4 expression is down-regulated in a number of cancers, while overexpression reduces cell proliferation, transformation, and tumor development.

Publications notables

Autrice	Pubmed ID	Journal	Application
Leonie Drews	32917661	Dis Model Mech	WB
Ying Cui	33033517	J Cancer	WB
Kalaiselvi Sivalingam	34716387	Sci Rep	WB

Stockage

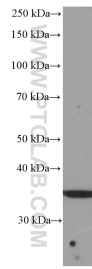
Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

For technical support and original validation data for this product please contact:
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Données de validation sélectionnées



HeLa cells were subjected to SDS PAGE followed by western blot with 66543-1-Ig (SIRT4 antibody) at dilution of 1:40000 incubated at room temperature for 1.5 hours.