

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-SECISBP2



Numéro de catalogue: 12798-1-AP

Phare

13 Publications

Informations de base

Numéro de catalogue:
12798-1-AP

Taille:
150ul, Concentration: 600 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG3541

Numéro d'acquisition GenBank:
BC036109

Identification du gène (NCBI):
79048

Nom complet:
SECIS binding protein 2

MW calculé
854 aa, 95 kDa

MW observés:
95 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:500-1:2000
IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
IF 1:20-1:200

Applications

Applications testées:
IF, IP, WB, ELISA

Demandes citées:
IF, IHC, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, poisson-zèbre, rat, souris

Contrôles positifs:

WB : cellules HeLa, cellules Jurkat, tissu rénal humain

IP : tissu testiculaire de souris,

IF : cellules HeLa,

Informations générales

Selenium (Se) is an essential trace element required for the biosynthesis of selenoproteins, and selenocysteine insertion sequence (SECIS) binding protein 2 (SECISBP2, or SBP2) represents a key trans-acting factor for the cotranslational insertion of selenocysteine into selenoproteins. Defects in SBP2 are a cause of abnormal thyroid hormone metabolism (ATHYHM) associated with a reduction in type II iodothyronine deiodinase activity. Mutations in this gene have been associated with a reduction in activity of a specific thyroxine deiodinase, a selenocysteine-containing enzyme, and abnormal thyroid hormone metabolism. Cells depleted of SBP2 have increased levels of ROS, which lead to cellular oxidative stress manifested as DNA lesions, stress granules, and lipid peroxidation, induction of caspase- and cytochrome c-dependent apoptosis, indicating that SBP2 is required for protection against ROS-induced cellular damage and cell survival.

Publications notables

Autrice	Pubmed ID	Journal	Application
Zixin Min	30247797	J Cell Mol Med	IHC, WB
B Chellan	33122797	Sci Rep	WB
Aditi Dubey	27802322	PLoS One	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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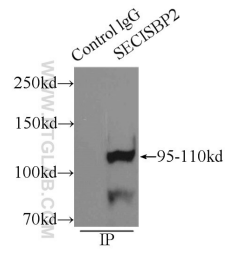
E: proteintech@ptglab.com
W: ptglab.com

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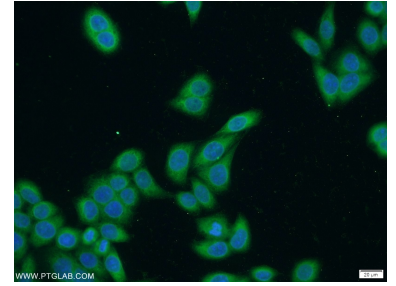
Données de validation sélectionnées



HeLa cells were subjected to SDS PAGE followed by western blot with 12798-1-AP (SECISBP2 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



IP Result of anti-SECISBP2 (IP:12798-1-AP, 3ug; Detection:12798-1-AP 1:600) with mouse testis tissue lysate 8000ug.



Immunofluorescent analysis of HeLa cells using 12798-1-AP (SECISBP2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).