

Nur für Forschungszwecke

# SECISBP2 Polyklonaler Antikörper

Katalog-Nr.:12798-1-AP

Vorgestelltes Produkt

13 Publikationen



## Allgemeine Informationen

**Katalog-Nr.:**  
12798-1-AP

**Größe:**  
150ul , Konzentration: 600 µg/ml von  
Nanodrop und 333 µg/ml durch die  
Bradford-Methode mit BSA als  
Standard;

**Wirt:**  
Kaninchen

**Isotyp:**  
IgG

**Immunogen Katalognummer:**  
AG3541

**GenBank-Zugangsnummer:**  
BC036109

**GeneID (NCBI):**  
79048

**Vollständiger Name:**  
SECIS binding protein 2

**Berechnete Masse:**  
854 aa, 95 kDa

**Beobachtete Masse:**  
95 kDa

**Reinigungsmethode:**

Antigen-Affinitätsreinigung

**Empfohlene Verdünnungen:**

WB 1:500-1:2000  
IP 0.5-4.0 ug für IP und 1:500-1:1000  
für WB  
IF 1:20-1:200

## Anwendungen

**Geprüfte Anwendungen:**

IF, IP, WB, ELISA

**In Publikationen genannte Anwendungen:**

IF, IHC, WB

**Getestete Reaktivität:**

Human, Maus, Ratte

**Zitierte Arten:**

Human, Maus, Ratte, Zebrafisch

**Positivkontrollen:**

**WB :** HeLa-Zellen, humanes Nierengewebe, Jurkat-Zellen

**IP :** Maushodengewebe,

**IF :** HeLa-Zellen,

## Hintergrundinformationen

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.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Zixin Min	30247797	J Cell Mol Med	IHC,WB
B Chellan	33122797	Sci Rep	WB
Aditi Dubey	27802322	PLoS One	WB

## Lagerung

**Lagerungsbedingungen:**

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

**Lagerungspuffer:**

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

**\*\*\* 20ul-Größen enthalten 0.1% BSA**

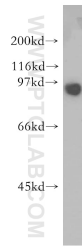
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
in USA), or 1(312) 455-8498 (outside USA)

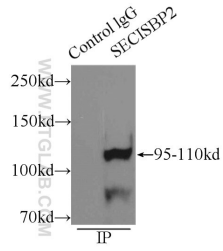
E: proteintech@ptglab.com  
W: ptglab.com

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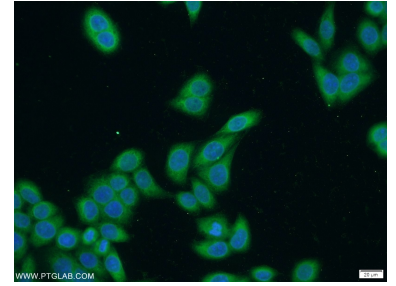
## Ausgewählte Validierungsdaten



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).