

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 17256-1-AP	<b>GenBank-Zugangsnummer:</b> BC016836	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul , Konzentration: 550 µg/ml von Nanodrop und 367 µg/ml durch die Bradford-Methode mit BSA als Standard;	<b>GeneID (NCBI):</b> 58472	<b>Empfohlene Verdünnungen:</b> WB 1:1000-1:4000 IP 0.5-4.0 ug für IP und 1:500-1:1000 für WB
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> sulfide quinone reductase-like (yeast)	<b>Berechnete Masse:</b> 450 aa, 50 kDa
<b>Isotyp:</b> IgG	<b>Beobachtete Masse:</b> 50 kDa	<b>Immunogen Katalognummer:</b> AG10762

## Anwendungen

<b>Geprüfte Anwendungen:</b> IHC, IP, WB, ELISA	<b>Positivkontrollen:</b> WB : HeLa-Zellen, HepG2-Zellen, HepG-Zellen, HT-29-Zellen, THP-1-Zellen IP : HeLa-Zellen,
<b>In Publikationen genannte Anwendungen:</b> IHC, WB	<b>IHC :</b> humanes Hirngewebe, humanes Hodengewebe, humanes Kolonkarzinomgewebe, humanes Leberkarzinomgewebe, humanes Lungengewebe, humanes Milzgewebe, Mauslebergewebe, Rattenlebergewebe
<b>Getestete Reaktivität:</b> Human, Maus, Ratte	
<b>Zitierte Arten:</b> Huhn, Human, Maus, Ratte	

**Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

## Hintergrundinformationen

SQRDL(Sulfide:quinone oxidoreductase, mitochondrial) catalyzes the oxidation of hydrogen sulfide, with the help of a quinone. Although the SQRDL precursor protein displays a molecular weight of 50 kDa, a prominent band at about 46 kDa is detected by western blot. This discrepancy reflects the cleavage of an N-terminal targeting sequence of 4 kDa during the import of the protein into the mitochondria (PMID:22067608). SQRDL is one of the enzymes involved in H<sub>2</sub>S signaling in a discrete population of neurons, oligodendrocytes, and endothelial cells.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Pilar González-García	32975579	Hum Mol Genet	WB
Giulio Kleiner	30251690	Biochim Biophys Acta Mol Basis Dis	WB
Agustín Hidalgo-Gutiérrez	30482867	EMBO Mol Med	WB

## Lagerung

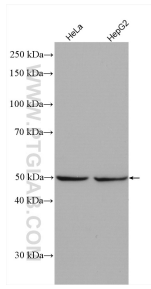
**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
Aliquotieren ist nicht notwendig bei -20°C Lagerung

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

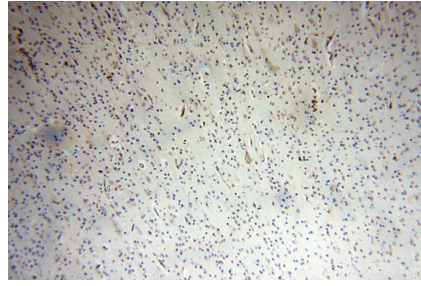
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

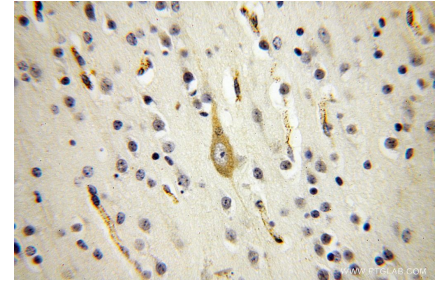
## Ausgewählte Validierungsdaten



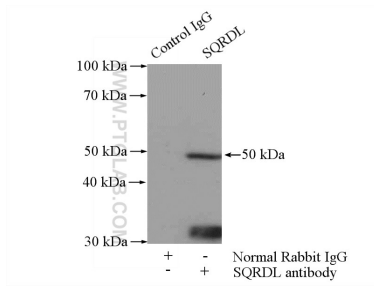
Various lysates were subjected to SDS PAGE followed by western blot with 17256-1-AP (SQRD L antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



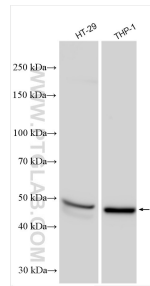
Immunohistochemical analysis of paraffin-embedded human brain using 17256-1-AP (SQRD L antibody) at dilution of 1:100 (under 10x lens).



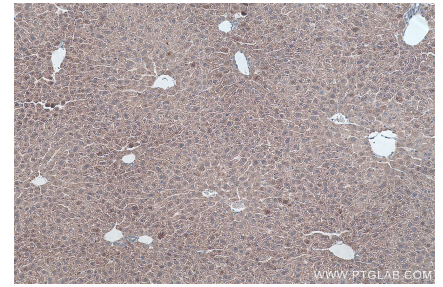
Immunohistochemical analysis of paraffin-embedded human brain using 17256-1-AP (SQRD L antibody) at dilution of 1:100 (under 40x lens).



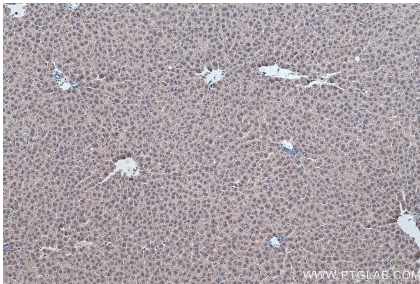
IP Result of anti-SQRD L (IP:17256-1-AP, 4 $\mu$ g; Detection:17256-1-AP 1:500) with HeLa cells lysate 2000 $\mu$ g.



Various lysates were subjected to SDS PAGE followed by western blot with 17256-1-AP (SQRD L antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 17256-1-AP (SQRD L antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat liver tissue slide using 17256-1-AP (SQRD L antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).