

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 15941-1-AP	<b>GenBank-Zugangsnummer:</b> BC000569	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul, Konzentration: 133 µg/ml durch die Bradford-Methode mit BSA als Standard;	<b>GeneID (NCBI):</b> 757	<b>Empfohlene Verdünnungen:</b> WB 1:500-1:1000 IHC 1:50-1:500
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> transmembrane protein 50B	
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 15 kDa	
<b>Immunogen Katalognummer:</b> AG8220	<b>Beobachtete Masse:</b> 14 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> IHC, WB, ELISA	<b>Positivkontrollen:</b> WB : Maushodengewebe, IHC : Maushirngewebe,
<b>Getestete Reaktivität:</b> Human, Maus, Ratte	
<b>Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.</b>	

## Hintergrundinformationen

TMEM50B, originally referred to as C21orf4, is a predicted transmembrane protein, estimated to contain four transmembrane-spanning domains with both the carboxy- and amino-terminals being cytoplasmic (PMID: 10077530; 18541381). Human TMEM50B shares sequence homologies of around 90-100% with mouse and rat Tmem50b. In a Down syndrome mouse model, Ts1Cje, Tmem50b is shown to be one of the few genes significantly over-expressed during cerebellar development (PMID: 15590701). It has been reported that rodent Tmem50b is a developmentally-regulated intracellular ER and Golgi apparatus membrane protein that may prove important for correct brain development through functions associated with precursor cells and glia (PMID: 18541381).

## Lagerung

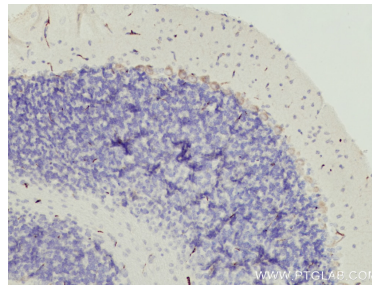
**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

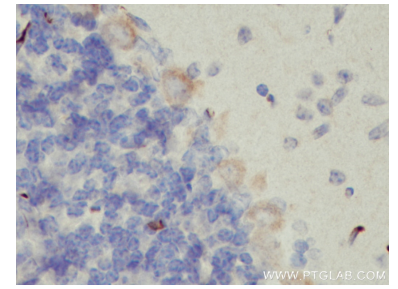
## Ausgewählte Validierungsdaten



mouse testis tissue were subjected to SDS PAGE followed by western blot with 15941-1-AP (TMEM50B antibody) at dilution of 1:200 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 15941-1-AP (TMEM50B antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 15941-1-AP (TMEM50B antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).