

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 13727-1-AP	<b>GenBank-Zugangsnummer:</b> BC036797	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul , Konzentration: 500 µg/ml von 157 Nanodrop und 333 µg/ml durch die Bradford-Methode mit BSA als Standard;	<b>GeneID (NCBI):</b> 157	<b>Empfohlene Verdünnungen:</b> WB 1:1000-1:4000 IHC 1:50-1:500
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> adrenergic, beta, receptor kinase 2	
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 688 aa, 80 kDa	
<b>Immunogen Katalognummer:</b> AG4685	<b>Beobachtete Masse:</b> 70 kDa, 90 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> IHC, WB,ELISA	<b>Positivkontrollen:</b> WB : K-562-Zellen, HL-60-Zellen IHC : Maushirngewebe, humanes Kolongewebe
<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

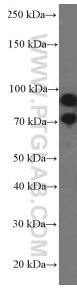
GRK3 (G protein coupled receptor kinase 3), also known as ADRBK2 or BARK2, belongs to the G protein coupled receptor kinases (GRKs) family. GRKs are serine/threonine kinases that regulate a large and diverse class of G-protein coupled receptors (GPCRs). GRKs have been shown to play a critical role in the outcome of a variety of physiological and pathophysiological processes including chemotaxis, signaling, migration, inflammatory gene expression and so on (PMID: 28950947, 29483837). GRK3 was identified as a negative regulator of CXCL12/CXCR4 signaling, and has also been shown to be overexpressed in human prostate cancer and found to promote tumor growth and metastasis by enhancing angiogenesis (PMID: 23935208, 24434559). GRK3 has a molecular mass of 75-80 kDa, and also can be ubiquitinated (PMID: 20596523).

## Lagerung

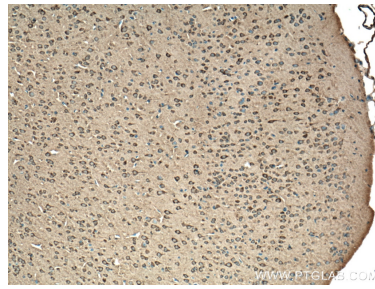
**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
**Aliquotieren ist nicht notwendig bei -20°C Lagerung**

\*\*\* 20ul-Größen enthalten 0.1% BSA

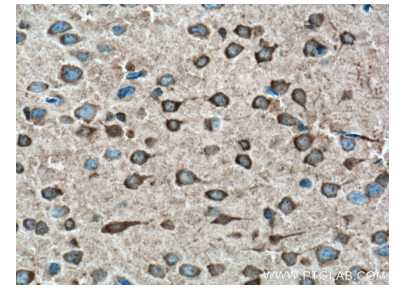
## Ausgewählte Validierungsdaten



K-562 cells were subjected to SDS PAGE followed by western blot with 13727-1-AP (GRK3 antibody at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 13727-1-AP (GRK3 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 13727-1-AP (GRK3 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).