

Nur für Forschungszwecke

# CITED2 Polyklonaler Antikörper

Katalog-Nr.: 15021-1-AP

1 Publikationen



## Allgemeine Informationen

<b>Katalog-Nr.:</b> 15021-1-AP	<b>GenBank-Zugangsnummer:</b> BC004377	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul, Konzentration: 173 µg/ml von Nanodrop und 173 µg/ml durch die Bradford-Methode mit BSA als Standard;	<b>GeneID (NCBI):</b> 10370	<b>Empfohlene Verdünnungen:</b> WB 1:500-1:1000 IF 1:50-1:500
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2	
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 28 kDa	
<b>Immunogen Katalognummer:</b> AG7078	<b>Beobachtete Masse:</b> 36 kDa, 27 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> IF, WB, ELISA	<b>Positivkontrollen:</b> WB : SH-SY5Y-Zellen, Maushirngewebe
<b>In Publikationen genannte Anwendungen:</b> WB	<b>IF :</b> SH-SY5Y-Zellen,
<b>Getestete Reaktivität:</b> Human, Maus, Ratte	
<b>Zitierte Arten:</b> Maus	

## Hintergrundinformationen

CITED2, also named as P35srj, is a cAMP-responsive element-binding protein (CBP)/p300-transactivator, with an ED(Glu/Asp)-rich C-terminal domain that acts as an important modulator in the development of the heart [PMID:10552932]. There are two isoforms of CITED2 protein and the calculated molecular weight of them are 24kDa and 28 kDa. The 28 kDa isoform having modification site may migrate to 35 kDa and 24 kDa isoform having modification site may migrate to 27 kDa (PMID: 23082118). It is proposed to be a negative regulator of HIF-1 $\alpha$  through its competitive binding to the CH1 domain of CBP/p300, which mediated signaling and to a decrease in HIF-1-responsive genes such as VEGF [PMID:9887100]. In addition, it is also a co-activator of the transcriptional activity of the TFAP2 isoform, which is an extensively expressed nuclear protein with functions in embryogenesis, inflammation, and stress responses[PMID:22735262].

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Yan Jiang	28013219	Toxicol Sci	WB

## Lagerung

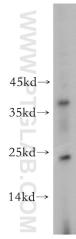
**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

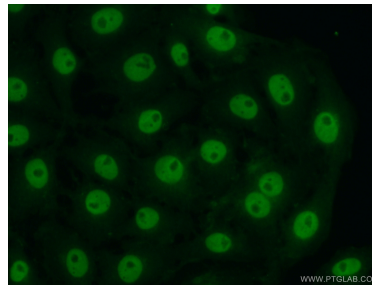
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## Ausgewählte Validierungsdaten



SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 15021-1-AP (CITED2 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (10% Formaldehyde) fixed SH-SY5Y cells using 15021-1-AP (CITED2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).