

For Research Use Only

CITED2 Polyclonal antibody

Catalog Number: 15021-1-AP **1 Publications**



Basic Information

Catalog Number: 15021-1-AP	GenBank Accession Number: BC004377	Purification Method: Antigen affinity purification
Size: 173 µg/ml	GeneID (NCBI): 10370	Recommended Dilutions: WB 1:500-1:1000 IF 1:50-1:500
Source: Rabbit	UNIPROT ID: Q99967	
Isotype: IgG	Full Name: Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2	
Immunogen Catalog Number: AG7078	Calculated MW: 28 kDa	
	Observed MW: 36 kDa, 27 kDa	

Applications

Tested Applications: IF/ICC, WB, ELISA	Positive Controls: WB : SH-SY5Y cells, mouse brain tissue IF : SH-SY5Y cells,
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: mouse	

Background Information

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 α 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].

Notable Publications

Author	Pubmed ID	Journal	Application
Yan Jiang	28013219	Toxicol Sci	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

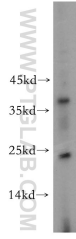
T: 4006900926

E: Proteintech-CN@ptglab.com

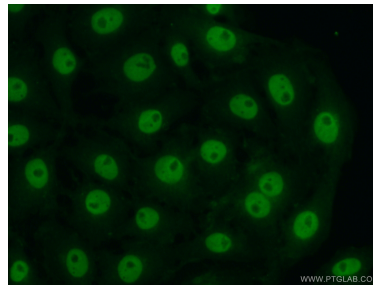
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Selected Validation Data



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).