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CITED2 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10174B

Specification

CITED2 Antibody (C-term) - Product Information

Application	**IF, WB,E**
Primary Accession	Q99967
Other Accession	O35740, Q0VCT9, NP_001161860.1, NP_001161861.1, NP_006070.2
Reactivity	**Human, Mouse**
Predicted	**Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**28497**
Antigen Region	**200-226**

CITED2 Antibody (C-term) - Additional Information

Gene ID 10370

Other Names
Cbp/p300-interacting transactivator 2, MSG-related protein 1, MRG-1, P35srj, CITED2, MRG1

Target/Specificity
This CITED2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 200-226 amino acids from the C-terminal region of human CITED2.

Dilution
IF~~1:10~50
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
CITED2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CITED2 Antibody (C-term) - Protein Information

Name CITED2

Synonyms MRG1

Function Transcriptional coactivator of the p300/CBP-mediated transcription complex. Acts as a bridge, linking TFAP2 transcription factors and the p300/CBP transcriptional coactivator complex in order to stimulate TFAP2-mediated transcriptional activation. Positively regulates TGF-beta signaling through its association with the SMAD/p300/CBP-mediated transcriptional coactivator complex. Stimulates the peroxisome proliferator-activated receptors PPARA transcriptional activity. Enhances estrogen-dependent transactivation mediated by estrogen receptors. Acts also as a transcriptional corepressor; interferes with the binding of the transcription factors HIF1A or STAT2 and the p300/CBP transcriptional coactivator complex. Participates in sex determination and early gonad development by stimulating transcription activation of SRY. Plays a role in controlling left-right patterning during embryogenesis; potentiates transcriptional activation of NODAL-mediated gene transcription in the left lateral plate mesoderm (LPM). Plays an essential role in differentiation of the adrenal cortex from the adrenogonadal primordium (AGP); stimulates WT1-mediated transcription activation thereby up-regulating the nuclear hormone receptor NR5A1 promoter activity. Associates with chromatin to the PITX2 P1 promoter region.

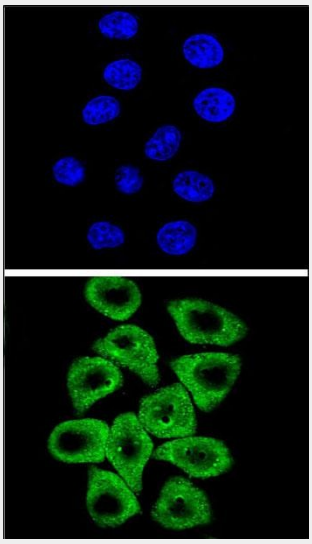
Cellular Location
Nucleus Note=Colocalizes with EP300 in dot-like structures

CITED2 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CITED2 Antibody (C-term) - Images



Confocal immunofluorescent analysis of CITED2 Antibody (C-term) (Cat. #AP10174b) with Hela cell followed by Alexa Fluor® 489-conjugated goat anti-rabbit lgG (green). DAPI was used to stain

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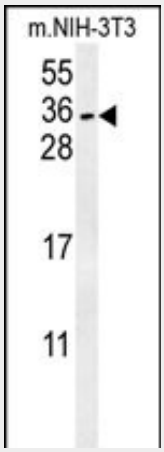
the cell nuclear (blue).



CITED2 Antibody (C-term) (Cat. #AP10174b) western blot analysis in mouse NIH-3T3 cell line lysates (15ug/lane).This demonstrates the CITED2 antibody detected CITED2 protein (arrow).

CITED2 Antibody (C-term) - Background

The protein encoded by this gene inhibits transactivation of HIF1A-induced genes by competing with binding of HIF1a to p300-CH1. Mutations in this gene are a cause of cardiac septal defects. Three transcript variants encoding the same protein have been found for this gene.

CITED2 Antibody (C-term) - References

Yang, X.F., et al. Zhonghua Er Ke Za Zhi 48(4):293-296(2010)
Sun, H.B. Ann. N. Y. Acad. Sci. 1192, 429-436 (2010) :
Lau, W.M., et al. Int. J. Cancer 126(4):876-884(2010)
van Agthoven, T., et al. Br. J. Cancer 101(11):1824-1832(2009)
Ganesh, S.K., et al. Nat. Genet. 41(11):1191-1198(2009)