

CITED2 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP10174b**Specification**

CITED2 Antibody (C-term) Blocking peptide - Product Information

Primary Accession [O99967](#)
Other Accession [NP_001161860.1](#), [NP_001161861.1](#),
[NP_006070.2](#)

CITED2 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 10370

Other Names

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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CITED2 Antibody (C-term) Blocking peptide - 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) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

CITED2 Antibody (C-term) Blocking peptide - Images**CITED2 Antibody (C-term) Blocking peptide - 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) Blocking peptide - 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)