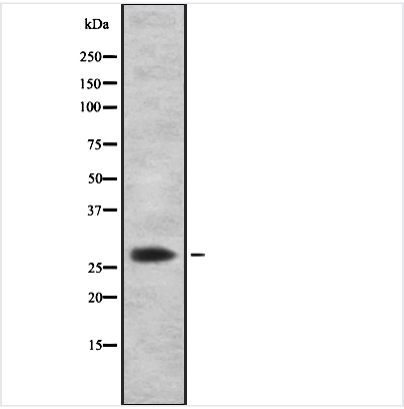
CITED2 Antibody

PRODUCT OVERVIEW

Product Name	CITED2, Antibody
Full Product Name	CITED2 Antibody
Product Gene Name	anti-CITED2 antibody
Molecular Weight	23,732 Da
OMIM	602937
3D Structure	ModBase 3D Structure for Q99967
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-CITED2 antibody	MBS8517364 is an antibody targeting CITED2. Also known as CITED2 Antibody.
Other Notes	Small volumes of anti-CITED2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-CITED2 antibody
Western blot analysis CITED2 using HeLa whole cell lysates

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CITED2. It may not necessarily be applicable to this product.

NCBI GI #	270288754
NCBI GeneID	10370
NCBI Accession #	NP_001161860.1
UniProt Primary Accession #	Q99967
UniProt Secondary Accession #	O95426; Q5VTF4
UniProt Related Accession #	Q99967
GenBank Nucleotide #	NM_001168388.2
NCBI Official Full Name	cbp/p300-interacting transactivator 2 isoform 1

NCBI Official Synonym Full Names	Cbp/p300 interacting transactivator with Glu/Asp rich carboxy-terminal domain 2
NCBI Official Symbol	CITED2
NCBI Official Synonym Symbols	ASD8; MRG1; VSD2; MRG-1; P35SRJ
UniProt Protein Name	Cbp/p300-interacting transactivator 2
UniProt Synonym Protein Names	MSG-related protein 1; MRG-1; P35srj
Protein Family	Cbp/p300-interacting transactivator
UniProt Gene Name	CITED2
UniProt Synonym Gene Names	MRG1; MRG-1
NCBI Protein Information	cbp/p300-interacting transactivator 2
NCBI Summary for CITED2	The protein encoded by this gene inhibits transactivation of HIF1A-induced genes by competing with binding of hypoxia-inducible factor 1-alpha to p300-CH1. Mutations in this gene are a cause of cardiac septal defects. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, May 2012]
UniProt Comments for CITED2	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.
Research Articles on CITED2	**1.** CITED2 regulates primary breast tumor growth, likely by influencing tumor vasculature via TGF-beta-dependent regulation of VEGFA.
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Online datasheet: https://www.mybiosource.com/antibody/cited2/8517364