

CITED1 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a partial recombinant CITED1.

Catalog # AT1541a

Product Information

Application	WB, IHC, E
Primary Accession	Q99966
Other Accession	NM_004143
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	5H6
Calculated MW	19896

Additional Information

Gene ID	4435
Other Names	Cbp/p300-interacting transactivator 1, Melanocyte-specific protein 1, CITED1, MSG1
Target/Specificity	CITED1 (NP_004134, 94 a.a. ~ 193 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	CITED1 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

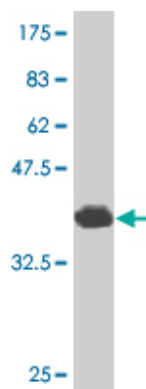
This gene encodes a member of the CREB-binding protein/p300-interacting transactivator with Asp/Glu-rich C-terminal domain (CITED) family of proteins. The encoded protein, also known as melanocyte-specific gene 1, may function as a transcriptional coactivator and may play a role in pigmentation of melanocytes. Alternatively spliced transcript variants have been described.

References

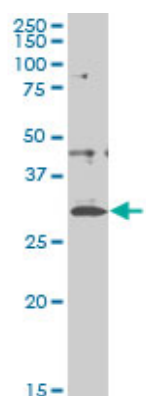
An EGR2/CITED1 transcription factor complex and the 14-3-3sigma tumor suppressor are involved in regulating ErbB2 expression in a transgenic-mouse model of human breast cancer. Dillon RL, et al. Mol Cell

Biol, 2007 Dec. PMID 17938205.CITED1 expression in Wilms' tumor and embryonic kidney. Lovvorn HN, et al. Neoplasia, 2007 Jul. PMID 17710162.Wilms' tumorigenesis is altered by misexpression of the transcriptional co-activator, CITED1. Lovvorn HN 3rd, et al. J Pediatr Surg, 2007 Mar. PMID 17336183.The transcriptional activity of CITED1 is regulated by phosphorylation in a cell cycle-dependent manner. Shi G, et al. J Biol Chem, 2006 Sep 15. PMID 16864582.Cited1 is a bifunctional transcriptional cofactor that regulates early nephronic patterning. Plisov S, et al. J Am Soc Nephrol, 2005 Jun. PMID 15843474.

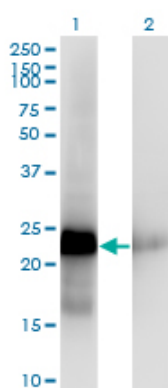
Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .

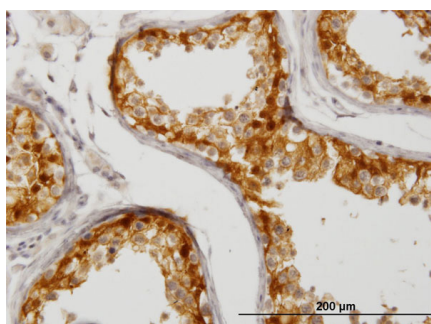


CITED1 monoclonal antibody (M03), clone 5H6 Western Blot analysis of CITED1 expression in A-431 ((Cat # AT1541a)

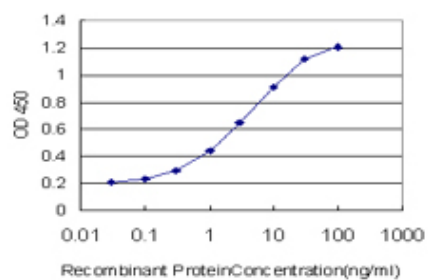


Western Blot analysis of CITED1 expression in transfected 293T cell line by CITED1 monoclonal antibody (M03), clone 5H6.

Lane 1: CITED1 transfected lysate(19.9 KDa).
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to CITED1 on formalin-fixed paraffin-embedded human testis.
[antibody concentration 1.2 ug/ml]



Detection limit for recombinant GST tagged CITED1 is approximately 0.03ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.