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# CITED1 Antibody (monoclonal) (M03)

**Mouse monoclonal antibody raised against a partial recombinant CITED1.**
**Catalog # AT1541a**

## Specification

### CITED1 Antibody (monoclonal) (M03) - Product Information

| | |
|---|---|
| Application | **WB, IHC, E** |
| Primary Accession | Q99966 |
| Other Accession | NM_004143 |
| Reactivity | **Human** |
| Host | **mouse** |
| Clonality | **Monoclonal** |
| Isotype | **IgG2a Kappa** |
| Calculated MW | **19896** |

### CITED1 Antibody (monoclonal) (M03) - 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

**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.

### CITED1 Antibody (monoclonal) (M03) - Protocols

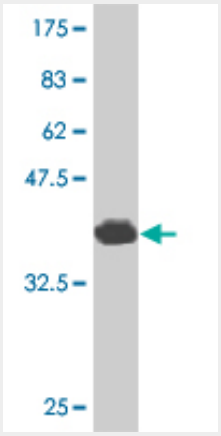
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

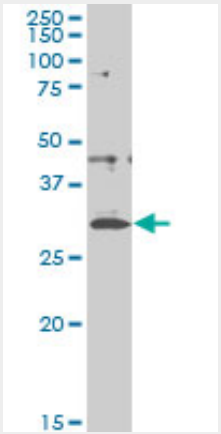
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- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

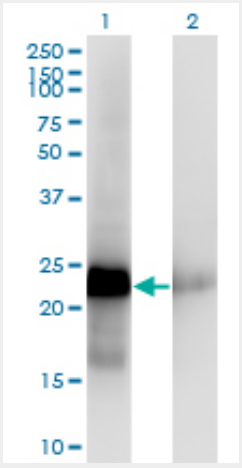
**CITED1 Antibody (monoclonal) (M03) - Images**




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



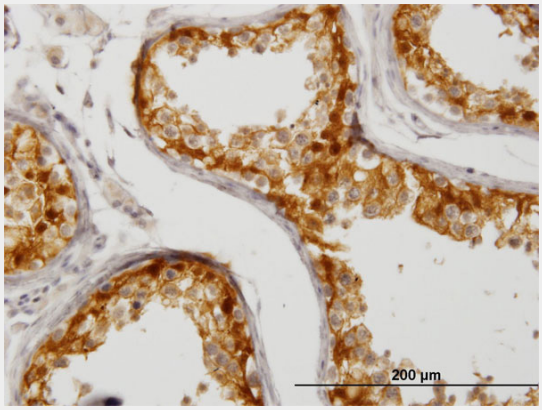

CITED1 monoclonal antibody (M03), clone 5H6 Western Blot analysis of CITED1 expression in A-431 ( (Cat # AT1541a )



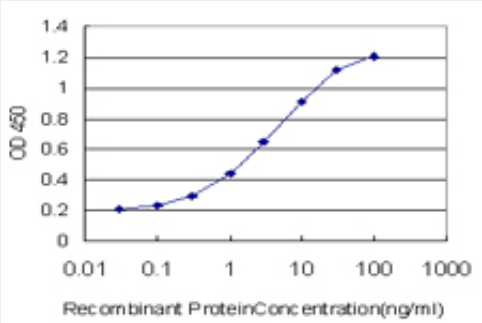
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Western Blot analysis of CITED1 expression in transfected 293T cell line by CITED1 monoclonal antibody (M03), clone 5H6.

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.

## CITED1 Antibody (monoclonal) (M03) - 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.

## CITED1 Antibody (monoclonal) (M03) - 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.