



Rabbit Anti-CITED1 antibody

SL2990R

Product Name:	CITED1
Chinese Name:	结合转化激活因子CITED1抗体
Alias:	Cbp/p300-interacting transactivator 1; Cbp/p300-interacting transactivator with GLU/ASP-rich C-terminal domain, 1; Cbp/p300-interacting transactivator with Glu/Asp-rich carboxy-terminal domain 1; melanocyte specific gene 1; Melanocyte specific protein 1; MSG1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000IHC-P=1:400-800 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	20kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CITED1/ABCC1:121-193/193
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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. [provided by RefSeq, Jan

2009]

Function:

Transcriptional coactivator of the p300/CBP-mediated transcription complex. Enhances SMAD-mediated transcription by strengthening the functional link between the DNA-binding SMAD transcription factors and the p300/CBP transcription coactivator complex. Stimulates estrogen-dependent transactivation activity mediated by estrogen receptors signaling; stabilizes the interaction of estrogen receptor ESR1 and histone acetyltransferase EP300. Positively regulates TGF-beta signaling through its association with the SMAD/p300/CBP-mediated transcriptional coactivator complex. Induces transcription from estrogen-responsive promoters and protection against cell death. Potentiates EGR2-mediated transcriptional activation activity from the ERBB2 promoter. Acts as an inhibitor of osteoblastic mineralization through a cAMP-dependent parathyroid hormone receptor signaling. May play a role in pigmentation of melanocytes. Associates with chromatin to the estrogen-responsive TGF-alpha promoter region in a estrogen-dependent manner.

Subunit:

Interacts (via C-terminus) with CREBBP. Interacts with EGR2. Homodimer. Binds to RBM14. Interacts (via N-terminus) with HSPA8; the interaction suppresses the association of CITED1 with p300/CBP and SMAD-mediated transcription transactivation. Interacts (via C-terminus) with TOX3 (via HGM box); the interaction increases estrogen-response element (ERE)-dependent transcription and protection against cell death. Interacts with ESR1; the interaction occurs in a estrogen-dependent manner. Interacts (unphosphorylated form preferentially and via C-terminus) with EP300.

Subcellular Location:

Nucleus. Cytoplasm. Note=Shuttles between the nucleus and the cytoplasm by a nuclear export signal and (NES) in a CRM1-dependent manner.

Tissue Specificity:

Expressed only in melanocytes and testis.

Post-translational modifications:

Phosphorylated. Phosphorylation changes in a cell cycle-dependent manner and reduces its transcriptional coactivator activity.

Similarity:

Belongs to the CITED family.

SWISS:

Q99966

Gene ID:

4435

Database links:

[Entrez Gene: 282182](#)Cow

[Entrez Gene: 4435](#)Human

[Omim: 300149](#)Human

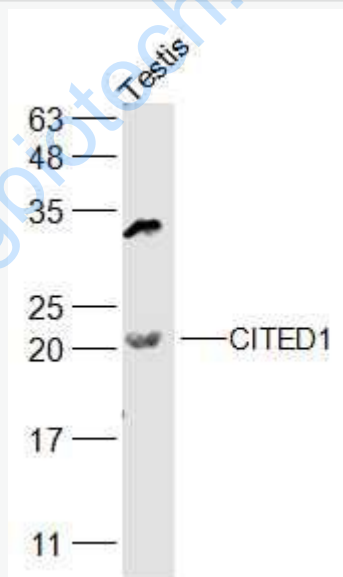
[SwissProt: Q99966](#)Human

[Unigene: 40403](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

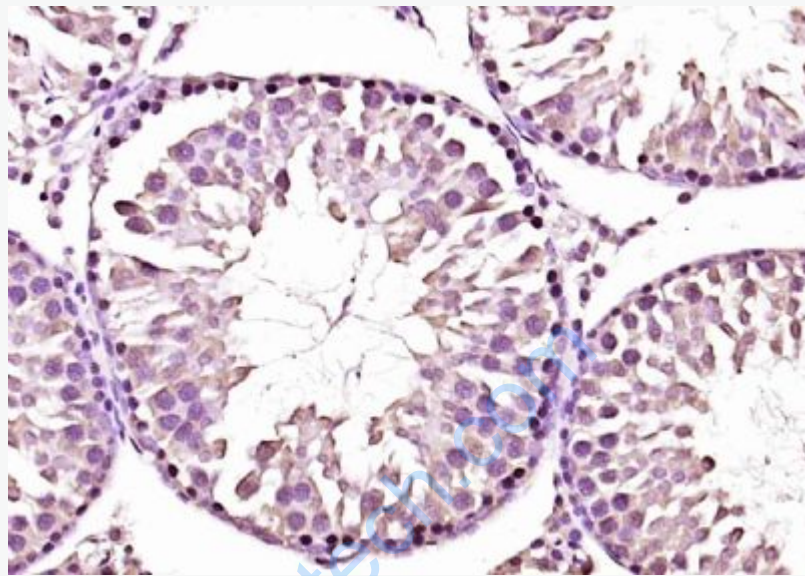
Testis (Mouse) Lysate at 40 ug

Primary: Anti-CITED1 (SL2990R) at 1/2000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 20 kD

Observed band size: 20 kD



Paraformaldehyde-fixed, paraffin embedded (rat testis tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CITED1) Polyclonal Antibody, Unconjugated (SL2990R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.