

Product Datasheet

CITED4 Antibody (HT13-2D6.3) - BSA Free NB110-41572

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NB110-41572

CITED4 Antibody (HT13-2D6.3) - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	HT13-2D6.3
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	Tris-Glycine and 0.15M NaCl

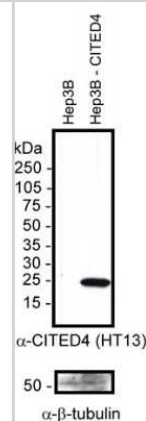
Product Description	
Description	Novus Biologicals Mouse CITED4 Antibody (HT13-2D6.3) - BSA Free (NB110-41572) is a monoclonal antibody validated for use in IHC, WB, ELISA, Flow, ICC/IF and IP. Anti-CITED4 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	163732
Gene Symbol	CITED4
Species	Human
Immunogen	N-terminal fusion protein to full-length human CITED4 [UniProt# Q96RK1]

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:100-1:2000, Flow Cytometry 1 ug per million cells, ELISA 1:100-1:2000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin reported in scientific literature
Application Notes	This CITED4 antibody is useful for CITED4 transfected cells. In Western blot a band was observed ~25 kDa. A lower (15 kDa) non-specific band may also be seen. Dilutions should be determined by the researcher.

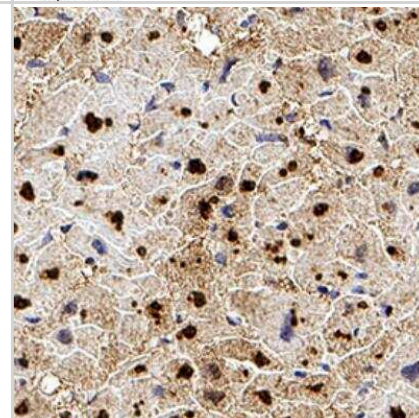


Images

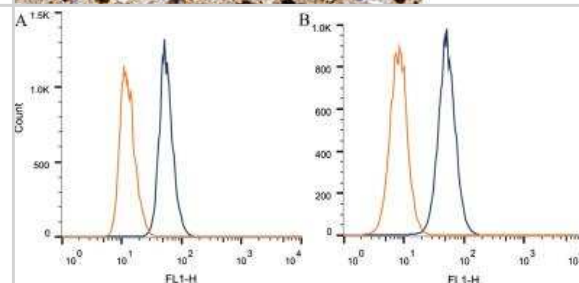
Western Blot: CITED4 Antibody (HT13-2D6.3) [NB110-41572] - Detection of human CITED4 in 20ug of transfected whole cell Hep3B lysate using NB110-415752. Photo courtesy of Dr. DeCaprio, DFCl.



Immunohistochemistry-Paraffin: CITED4 Antibody (HT13-2D6.3) [NB110-41572] - CITED4 was detected in immersion fixed paraffin-embedded sections of human heart using Mouse Anti-Human CITED4 (HT13-2D6.3) Monoclonal Antibody (Catalog # NB110-41572) at 1:300 for 1 hour at room temperature followed by incubation with the Anti-Mouse IgG VisUCyte™ HRP Polymer Antibody (Catalog # VC001). Tissue was stained using DAB (brown) and counterstained with hematoxylin (blue). Specific staining was localized to the cytoplasm in cardiomyocytes.



Flow Cytometry: CITED4 Antibody (HT13-2D6.3) [NB110-41572] - Intracellular flow cytometric staining of 1×10^6 CHO (A) and HEK-293 (B) cells using CITED4 antibody (dark blue). Isotype control shown in orange. An antibody concentration of 1 ug/ 1×10^6 cells was used.



Publications

Fox, SB et al. CITED4 inhibits hypoxia-activated transcription in cancer cells, and its cytoplasmic location in breast cancer is associated with elevated expression of tumor cell hypoxia-inducible factor 1alpha. *Cancer Res*;64(17):6075-81. 2004-09-01 [PMID: 15342390] (IP, ELISA, WB, IHC-P, Human)

Procedures

Western Blot protocol for CITED4 Antibody (NB110-41572)

CITED4 Antibody (HT13-2D6.3):

Western Blot

1. Run a 10% reducing gel. Boil samples in running buffer.
2. Block the nitrocellulose membrane in 15% milk/5% Tween-20 for 1 hour at room temperature.
3. Dilute the primary anti-CITED4 (NB110-41572) antibody in media and incubate the membrane for 1 hour at room temperature.
4. Probe the membrane with an anti-mouse IgG, HRP conjugated secondary antibody, as per the manufacturer's specifications.
5. Develop the blot using an ECL kit.





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Products Related to NB110-41572

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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