

Product Datasheet

Cited-2 Antibody (JA22) - BSA Free NB100-136

Unit Size: 0.1 ml

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

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Updated 8/21/2023 v.20.1

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NB100-136

Cited-2 Antibody (JA22) - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1.0 mg/ml
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	JA22
Preservative	0.02% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	PBS
Target Molecular Weight	29 kDa

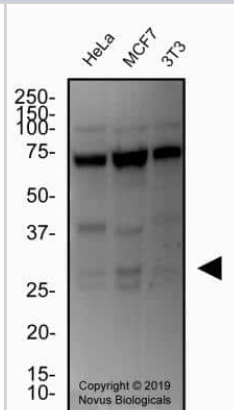
Product Description	
Host	Mouse
Gene ID	10370
Gene Symbol	CITED2
Species	Human, Mouse
Immunogen	Human CITED 2 protein [UniProt# Q99967]

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 2ug/mL, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100-1:500, Immunohistochemistry-Paraffin reported in scientific literature (PMID 19319572)
Application Notes	In Western blot, a band is seen at 29 kDa. Additional bands may be seen at 36 kDa representing p35srj, the alternatively spliced version of CITED2, and at 70 kDa (unknown). Does not work well on mouse tissue. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.

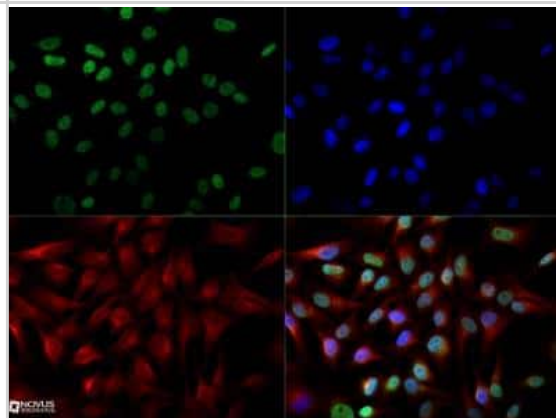


Images

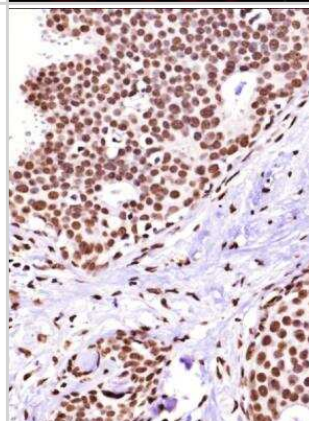
Western Blot: Cited-2 Antibody (JA22) [NB100-136] - Total protein from human HeLa and MCF7 and mouse 3T3 cell lines was separated on a 12% gel by SDS-PAGE, transferred to PVDF membrane and blocked in 5% non-fat milk in TBST. The membrane was probed with 2.0 ug/ml anti-Cited-2 in 1% non-fat milk in TBST and detected with an anti-mouse HRP secondary antibody using West Pico PLUS chemiluminescence detection reagent.



Immunocytochemistry/Immunofluorescence: Cited-2 Antibody (JA22) [NB100-136] - The Cited-2 (JA22) antibody was tested at a 1:250 dilution in HeLa cells against Dylight 488 (Green). Beta-tubulin and nuclei were counterstained against Dylight 550 (Red) and DAPI (Blue).



Immunohistochemistry-Paraffin: Cited-2 Antibody (JA22) [NB100-136] - IHC analysis of a formalin fixed paraffin embedded (FFPE) tissue section of human breast cancer using Cited-2 antibody at 1:500 dilution. The primary antibody bound to CAIX antigens in the tissue section was detected using a HRP labeled secondary antibody and DAB reagent. Nuclei of the cells were counterstained with hematoxylin. Staining was localized to the nucleus.



Publications

JianGuo Hu, Rui Yuan The expression levels of stem cell markers importin13, c-kit, CD146, and telomerase are decreased in endometrial polyps Medical Science Monitor : International Medical Journal of Experimental and Clinical Research 2011-01-01 [PMID: 21804459]

Biao Zeng, Jianguo Hu, Rui Yuan, LiNa Hu, Ling Zhong, Kai Kang Increased expression of importin13 in endometriosis and endometrial carcinoma Medical Science Monitor : International Medical Journal of Experimental and Clinical Research 2012-01-01 [PMID: 22648251]

Goncalves AM, de Sanctis D, McSweeney SM. Structural and functional insights into DR2231 protein, the MazG-like nucleoside triphosphate pyrophosphohydrolase from Deinococcus radiodurans. J Biol Chem 2011-09-02 [PMID: 21733847]

Yang Y, Dahly-Vernon AJ, Blomme EA et al. Liver transcriptomic changes associated with ritonavir-induced hyperlipidemia in sensitive and resistant strains of rats. Vet J 2010-07-01 [PMID: 20547082]

Haase M, Ansurudeen I, Schinner S. et al et al. Evidence for the involvement of endothelial cell products in adrenal CITED2 expression. Cell Tissue Res 2009-05-01 [PMID: 19319572] (WB, IHC-P, Human)

Lau WM, Doucet M, Huang D et al. CITED2 modulates estrogen receptor transcriptional activity in breast cancer cells. Biochem Biophys Res Commun 2013-06-27 [PMID: 23811274] (WB, Human)

Lau WM, Weber KL, Doucet M et al. Identification of prospective factors promoting osteotropism in breast cancer: a potential role for CITED2. Int J Cancer 2010-02-15 [PMID: 19642106] (WB, Mouse)

Haase, M et al. CITED2 is expressed in human adrenocortical cells and regulated by basic fibroblast growth factor. J Endocrinol;192(2):459-65. 2007-02-01 [PMID: 17283246]

Bamforth, S et al. Cited2 controls left-right patterning and heart development through a Nodal-Pitx2c pathway. Nat Genet;36(11):1189-96. 2004-11-01 [PMID: 15475956]

Tien, E et al. Identification of the CREB-binding protein/p300-interacting protein CITED2 as a peroxisome proliferator-activated receptor alpha coregulator. J Biol Chem;279(23):24053-63. 2004-06-04 [PMID: 15051727]

Bhattacharya S, Michels CL, Leung MK, Arany ZP, Kung AL, Livingston DM. Functional role of p35srj, a novel p300/CBP binding protein, during transactivation by HIF-1. Genes Dev;13(1):64-75. 1999-01-01 [PMID: 9887100]

Sengupta A, Molkentin JD, Paik JH. FoxO transcription factors promote cardiomyocyte survival upon induction of oxidative stress. J Biol Chem. 2010-12-15 [PMID: 21159781]

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Products Related to NB100-136

NB800-PC1	HeLa Whole Cell Lysate
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
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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