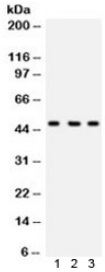
CTBP2 Antibody (R32151)

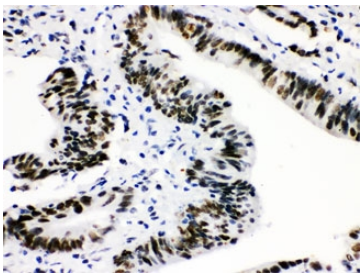
Catalog No.	Formulation	Size
R32151	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

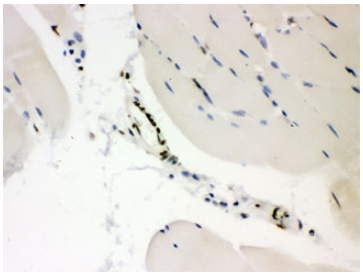
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P56545
Localization	Nuclear, cell junctions
Applications	Western blot: 0.1-0.5ug/ml Immunohistochemistry (FFPE): 0.5-1ug/ml Immunofluorescence: 2-4ug/ml Flow cytometry: 1-3ug/10^6 cells
Limitations	This CTBP2 antibody is available for research use only.



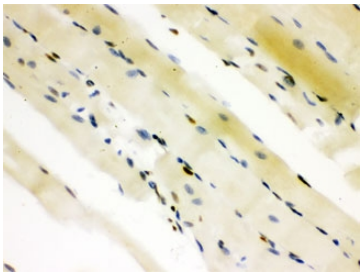
Western blot testing of human 1) COLO320, 2) 293, and 3) HeLa lysate with CTBP2 antibody. Predicted/observed molecular weight ~49 kDa.



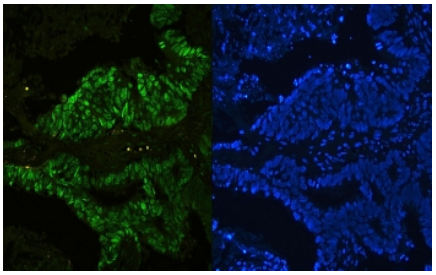
IHC testing of FFPE human intestinal cancer with CTBP2 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



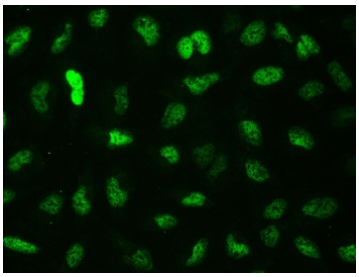
IHC testing of FFPE mouse skeletal muscle with CTBP2 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



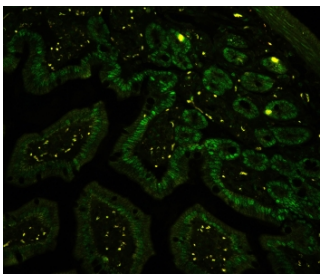
IHC testing of FFPE rat skeletal muscle with CTBP2 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



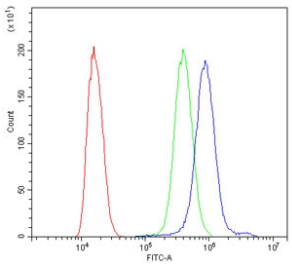
Immunofluorescent staining of FFPE human colon with CTBP2 antibody (green) at 1ug/ml and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Immunofluorescent staining of FFPE human U-2 OS cells with CTBP2 antibody (green) at 2ug/ml. HIER: steam section in pH6 citrate buffer for 20 min.



Immunofluorescent staining of FFPE mouse intestine with CTBP2 antibody (green) at 1ug/ml. HIER: steam section in pH6 citrate buffer for 20 min.



Flow cytometry testing of human SiHa cells with CTBP2 antibody at 1ug/10^6 cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= CTBP2 antibody.

Description

The E1a region of group C adenoviruses encodes 2 nearly identical proteins that are largely responsible for the oncogenic properties of adenoviruses. The CTBP1 protein binds to the C-terminal half of these E1A proteins. It's predicted that CTBP2 is a 445-amino acid protein and it is 72% identical to CTBP1. The CTBP2 gene is mapped to chromosome 10q26.13. CTBP2 is a mammalian corepressor that targets diverse transcriptional regulators. It bounds the short medial portion of delta-EF1 containing the PLDLSL motif and it enhances transrepression activity of delta-EF1.

Application Notes

Optimal dilution of the CTBP2 antibody should be determined by the researcher.

Immunogen

Amino acids 321-445 of human CTBP2 were used as the immunogen for the CTBP2 antibody.

Storage

After reconstitution, the CTBP2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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