Product datasheet

Anti-CTBP2 Antibody (Clone#7F3E1)

Catalog Number: ***M02567-3***

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com

Basic Information

Product Name	Anti-CTBP2 Antibody (Clone#7F3E1)
Gene Name	CTBP2
Source	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, FCM
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E.coli-derived human CTBP2 recombinant protein (Position: H321-Q445). human CTBP2 shares 99.2% and 98.4% amino acid (aa) sequence identity with mouse and rat CTBP2, respectively.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	49 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Flow Cytometry (Fixed): 1:50-200 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

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.

Reference

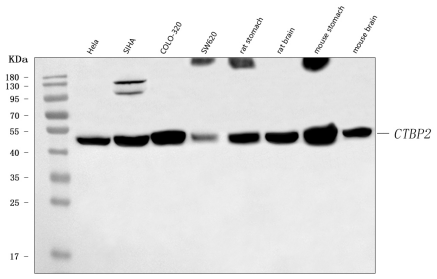
Anti-CTBP2 Antibody (Clone#7F3E1)

Catalog Number: *M02567-3*

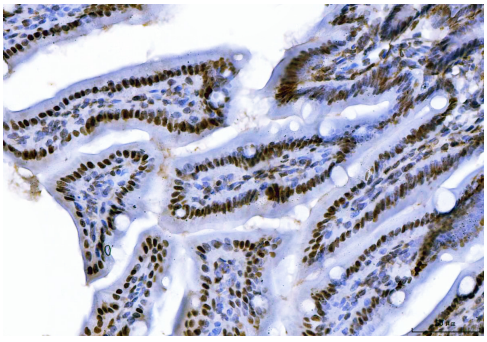
BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com

Anti-CTBP2 Antibody (Clone#7F3E1)被引用在1文献中。

Selected Validation Data



Western blot analysis of CTBP2 using anti-CTBP2 antibody (M02567-3). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human Hela whole cell lysates,
Lane 2: human SiHa whole cell lysates,
Lane 3: human COLO 320 whole cell lysates,
Lane 4: human SW620 whole cell ysates,
Lane 5: rat stomach tissue lysates,
Lane 6: rat brain tissue lysates,
Lane 7: mouse stomach tissue lysates,
Lane 8: mouse brain tissue lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with mouse anti-CTBP2 antigen affinity purified monoclonal antibody (M02567-3) at a dilution of 1:1000 and probed with a goat anti-mouse IgG-HRP secondary antibody (Catalog # BA1050). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for CTBP2 at approximately 49 kDa. The expected band size for CTBP2 is at 49 kDa.

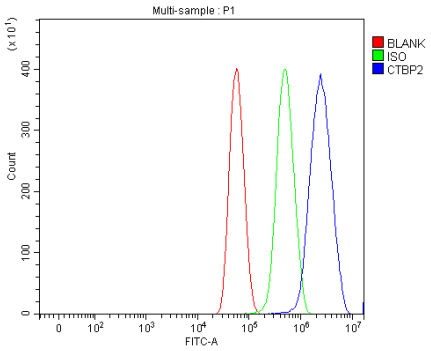


IHC analysis of CTBP2 using anti-CTBP2 antibody (M02567-3).
CTBP2 was detected in a paraffin-embedded section of mouse colon tissue. The tissue section was incubated with mouse anti-CTBP2 Antibody (M02567-3) at a dilution of 1:200 and developed using HRP Conjugated mouse IgG Super Vision Assay Kit (Catalog # SV0001) with DAB (Catalog # AR1027) as the chromogen.

Anti-CTBP2 Antibody (Clone#7F3E1)

Catalog Number: *M02567-3*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com



Flow Cytometry analysis of U87 cells using anti-CTBP2 antibody (M02567-3).
Overlay histogram showing U87 cells stained with M02567-3 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with mouse anti-CTBP2 Antibody (M02567-3) at 1:100 dilution for 30 min at 20°C. DyLight®488 conjugated goat anti-mouse IgG (BA1126) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was mouse IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.