

Anti-BORIS CTCFL Antibody

Catalog Number: A04503

About CTCFL

Anti-BORIS antibody is suitable for Cancer, Immunology and Nuclear Signaling research. BORIS (Brother of the Regulator of Imprinted Sites) also known as CCCTC-binding factor-like protein, is normally only expressed in the testis and expressed in a mutually exclusive manner with CTCF during male germ cell development. However, previous studies have shown that BORIS is abnormally activated in a wide range of human cancers. Expression of BORIS in normally BORIS-negative cells promotes cell growth that may lead to transformation. BORIS maps to the cancer-associated amplification region thought to contain an oncogene or dominant-immortalizing gene. BORIS is a candidate protein for the epigenetic reprogramming factor acting in the male germ line. BORIS is found in both the nucleus and cytoplasm. BORIS antibody can be used to investigate epigenetic regulation.

Overview

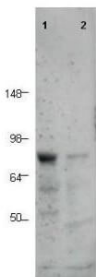
Product Name	Anti-BORIS CTCFL Antibody
Reactive Species	Human
Description	Boster Bio Anti-BORIS CTCFL Antibody (Catalog # A04503). Tested in ELISA, WB applications. This antibody reacts with Human.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 0.01% (w/v) Sodium Azide
Storage Instructions	Store BORIS Antibody at -20°C prior to opening. Aliquot contents and freeze at -20°C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4°C as an undiluted liquid. Dilute only prior to immediate use. Expiration date is one (1) year from date of opening. (Ship on dry ice.)
Host	Rabbit
Uniprot ID	Q8NI51

Technical Details

Immunogen	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to N-Terminal region near aa 1-30 of human BORIS protein.
Predicted Reactive Species	Chimpanzee
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG

Form	Liquid (sterile filtered)
Concentration	1.28 mg/mL by UV absorbance at 280 nm
Purification	This affinity-purified antibody is directed against the human BORIS protein. The product was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest cross-reactivity with BORIS proteins from human and chimpanzee. Partial reactivity may occur against BORIS from mouse, dog and rat sources based on varying degrees of homology to the immunizing sequence. Reactivity against homologues from other sources is not known.
Suggested Dilutions	ELISA: 1:2,000 - 1:10,000 WB: 1:200 - 1:2,000 BORIS affinity purified antibody has been tested for use in ELISA and by western blot. Specific conditions for reactivity should be optimized by the end user. Expect a predominant band approximately 75 kDa in size corresponding to BORIS by western blotting in the appropriate cell lysate or extract.

Anti-BORIS CTCFL Antibody (A04503) Images



Western blot using Boster's Affinity Purified anti-BORIS antibody shows detection of a predominant band corresponding to BORIS in human tissue lysates (arrowhead). Lane 1 contains lysate from human prostate tissue. Lane 2 contains lysate from human spleen tissue. A predominant band at ~75 kDa is observed. Molecular weight estimation was made by comparison to prestained MW markers as indicated.

1 Publications Citing This Product

1. PubMed ID: 22648179, A phase 1 study of weekly dosing of trastuzumab emtansine (T²⁰¹⁰DM1) in patients with advanced human epidermal growth factor 2²⁰¹³positive breast cancer

Visit bosterbio.com/anti-boris-antibody-a04503-boster.html to see all 1 publications.

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