BOSTER BIOLOGICAL TECHNOLOGY
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Anti-DTX4 Antibody

Catalog Number: A12829

About DTX4

The Deltex 4 E3 ubiquitin ligase (DTX4) is a member of a protein family that is involved in Notch signaling and neurogenesis (1). Recent studies have shown that DTX4 is also associated with the innate immune response (2). Following the activation of type I interferon signaling, the Nod-like receptor protein 4 (NLRP4) recruits DTX4 for Lys48-linked polyubiquitination and degradation of the kinase TBK1 (NAK), thereby maintaining immune homeostasis during antiviral innate immunity (2).

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Overview

Product Name	Anti-DTX4 Antibody
Reactive Species	Human
Description	Boster Bio Anti-DTX4 Antibody (Catalog # A12829). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	DTX4 antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	DTX4 antibody can be stored at 4°C, stable for up to one year.
Host	Rabbit
Uniprot ID	Q9Y2E6

Technical Details

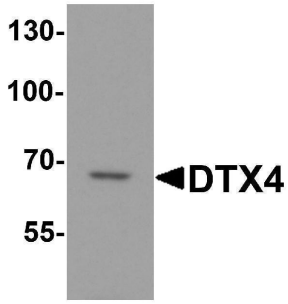
Immunogen	DTX4 antibody was raised against a 19 amino acid peptide near the center of human DTX4. The immunogen is located within amino acids 230 - 280 of DTX4.
Predicted Reactive Species	Bovine
Cross Reactivity	DTX4 antibody is human and mouse reactive. At least two isoforms of DTX4 are known to exist; this antibody will detect both isoforms. DTX4 antibody is predicted to not cross-react with other DTX protein family members.

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Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	DTX4 antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	DTX4 antibody can be used for detection of DTX4 by Western blot at 1 - 2 ug/ml. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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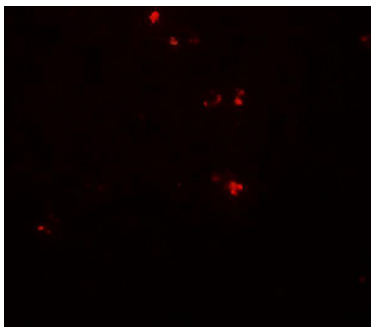
Anti-DTX4 Antibody (A12829) Images



Western blot analysis of DTX4 in HeLa cell lysate with DTX4 antibody at 1 ug/ml.



Immunohistochemistry of DTX4 in human spleen tissue with DTX4 antibody at 5 ug/ml.



Immunofluorescence of DTX4 in human spleen tissue with DTX4 antibody at 20 ug/ml.

For Research Use Only. Not for use in diagnostic procedures.