

Anti-OTUD5 Antibody

Catalog Number: A09744

About OTUD5

OTUD5 is a member of the OTU (ovarian tumor) domain-containing cysteine protease superfamily. The OTU domain confers deubiquitinase activity and OTUD5 has been shown to suppress the type I interferon (IFN-I)-dependent innate immune response by cleaving the polyubiquitin chain from TRAF3, an essential type I interferon adaptor protein. Cleavage results in disassociation of TRAF3 from a downstream signaling complex containing TBK1 and the disruption of the IFN-I signaling cascade, indicating that OTUD5 acts as a negative regulator of innate immune responses. It has been suggested that by suppressing IFN-I production, OTUD5 may function to inhibit the emergence of certain autoimmune disorders such as systemic lupus erythematosus. Multiple isoforms of OTUD5 are known to exist.

Overview

Product Name	Anti-OTUD5 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-OTUD5 Antibody (Catalog # A09744). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	OTUD5 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	OTUD5 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q96G74

Technical Details

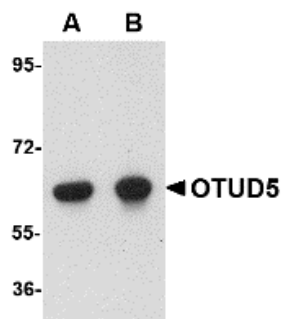
Immunogen	OTUD5 antibody was raised against a 13 amino acid synthetic peptide near the carboxy terminus of the human OTUD5. The immunogen is located within amino acids 400 - 450 of OTUD5.
Predicted Reactive Species	Mouse, Rat
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	OTUD5 Antibody is affinity chromatography purified via peptide column.

Suggested Dilutions

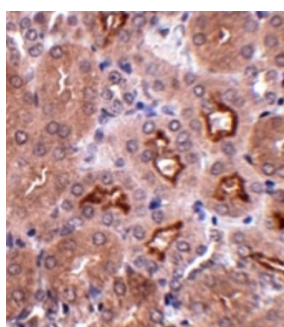
OTUD5 antibody can be used for detection of OTUD5 by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL.

Antibody validated: Western Blot in human samples; Immunohistochemistry in mouse 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.

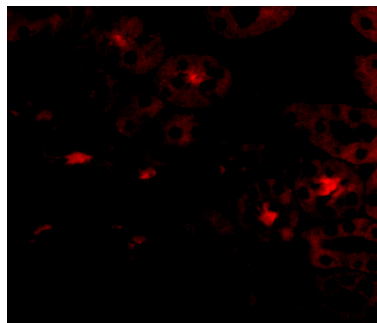
Anti-OTUD5 Antibody (A09744) Images



Western blot analysis of OTUD5 in human kidney lysate with OTUD5 antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of OTUD5 in mouse kidney tissue with OTUD5 antibody at 2.5 ug/mL.



Immunofluorescence of OTUD5 in Human Kidney cells with OTUD5 antibody at 20 ug/mL.

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Anti-OTUD5 Antibody

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