

Anti-Protein tweety homolog 2 TTYH2 Antibody

Catalog Number: A11764

About TTYH2

TTYH2 is a member of the tweety family of proteins, a family of chloride anion channels containing five transmembrane regions. TTYH2 is a Ca²⁺-activated large conductance chloride (Cl⁻) channel and may play a role in kidney tumorigenesis. It is also upregulated in colon carcinoma and is thought to play a role in cell proliferation and cell aggregation, suggesting that TTYH2 may play a role in regulating both proliferation and metastatic potentials of colorectal cancer. The ubiquitin-protein ligase Nedd4-2 binds to and ubiquitinates TTYH2, thereby regulating its cell surface expression and total cellular levels.

Overview

Product Name	Anti-Protein tweety homolog 2 TTYH2 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Protein tweety homolog 2 TTYH2 Antibody (Catalog # A11764). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	TTYH2 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	TTYH2 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	Q9BSA4

Technical Details

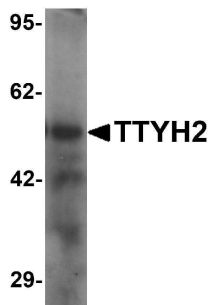
Immunogen	TTYH2 antibody was raised against a 14 amino acid synthetic peptide near the amino terminus of human TTYH2. The immunogen is located within amino acids 60 - 110 of TTYH2.
Predicted Reactive Species	Chicken, Mouse
Cross Reactivity	At least four isoforms of TTYH2 are known to exist; this antibody will only detect the two longest isoforms. This antibody is predicted to not cross-react with other TTYH family members.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	TTYH2 Antibody is affinity chromatography purified via peptide column.

Suggested Dilutions

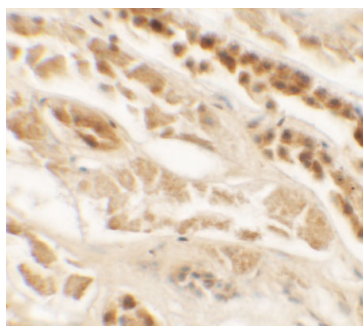
TTYH2 antibody can be used for detection of TTYH2 by Western blot at 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 2.5 ug/mL.

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.

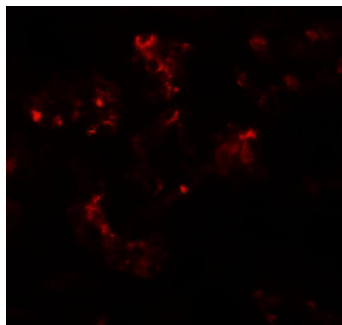
Anti-Protein tweety homolog 2 TTYH2 Antibody (A11764) Images



Western blot analysis of TTYH2 in human kidney tissue lysate with TTYH2 antibody at 1 ug/ml



Immunohistochemistry of TTYH2 in human kidney tissue with TTYH2 antibody at 2.5 ug/mL.



Immunofluorescence of TTYH2 in human kidney tissue with TTYH2 antibody at 20 ug/mL.

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Anti-Protein tweety homolog 2 TTYH2 Antibody

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