BOSTER BIOLOGICAL TECHNOLOGY
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Anti-ZIP2 SLC39A2 Antibody

Catalog Number: A09140-1

About SLC39A2

The zinc transporter ZIP2, also known as SLC39A2, is a member of a family of divalent ion transporters. Zinc is an essential ion for cells and plays significant roles in the growth, development, and differentiation. Similar to knock-outs of ZIP1 and ZIP3, ZIP2-null mice have no phenotypic differences compared to wild-type mice. Only when ZIP1, ZIP2, and ZIP3 genes are all eliminated and these mutant mice are fed a zinc-deficient diet do abnormalities such as reduced embryonic-membrane bound alkaline phosphatase activity and abnormal development occur, indicating that the ZIP1-3 proteins play an important, noncompensatory role when zinc is deficient. More recent studies have shown that ZIP2 and ZIP3 are down regulated in human prostate adenocarcinomatous glands, and may be important in the retention of zinc in the cellular compartment.

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Overview

Product Name	Anti-ZIP2 SLC39A2 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-ZIP2 SLC39A2 Antibody (Catalog # A09140-1). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	ZIP2 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	ZIP2 antibody can be stored at 4°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	Q9NP94

Technical Details

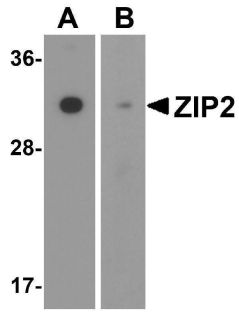
Immunogen	ZIP2 antibody was raised against a 17 amino acid synthetic peptide near the amino terminus of human ZIP2. The immunogen is located within amino acids 70 - 120 of ZIP2.
Predicted Reactive Species	Bovine

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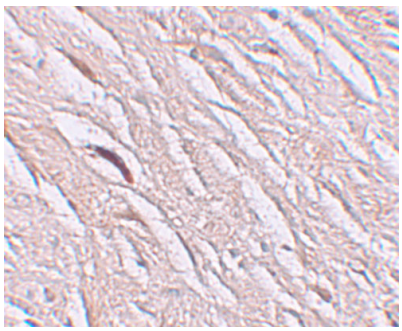
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	ZIP2 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	ZIP2 antibody can be used for detection of ZIP2 by Western blot at 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in mouse and rat 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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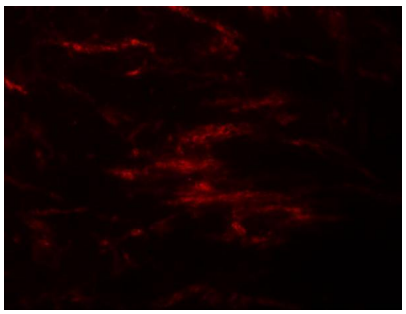
Anti-ZIP2 SLC39A2 Antibody (A09140-1) Images



Western blot analysis of ZIP2 in (A) mouse and (B) rat brain tissue lysate with ZIP2 antibody at 1 ug/mL.



Immunohistochemistry of ZIP2 in human brain tissue with ZIP2 antibody at 2.5 ug/mL.



Immunofluorescence of ZIP2 in human brain tissue with ZIP2 antibody at 20 ug/mL.

Anti-ZIP2 SLC39A2 Antibody

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