

## Anti-FXYD7 Antibody

Catalog Number: A15981

### About FXYD7

FXYD7 is a member of a family of small membrane proteins that share a 35-amino acid signature sequence domain, beginning with the sequence PFXYD and containing seven invariant and six highly conserved amino acids. The FXYD proteins are tissue-specific regulators of Na, K-ATPase, with FXYD7 initially identified as a brain-specific member. FXYD7 interacts with Na, K-ATPase through its transmembrane domain and is thought to influence the affinity of Na, K-ATPase for external K<sup>+</sup> and Na<sup>+</sup> ions. Other members of the FXDY family have similar functions: FXYD2 regulates the properties of Na, K-ATPase, while FXYD1 (phospholemman), FXYD3 (MAT-8), FXYD4 (CHIF), and FXYD5 (RIC) have been shown to induce channel activity in experimental expression systems.

### Overview

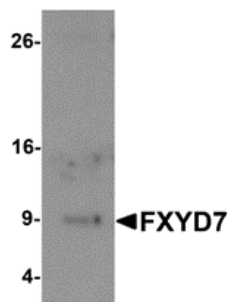
Product Name	Anti-FXYD7 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-FXYD7 Antibody (Catalog # A15981). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	FXYD7 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	FXYD7 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	P58549

### Technical Details

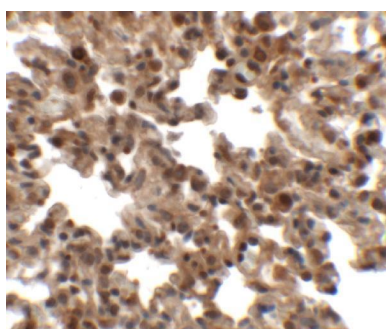
Immunogen	FXYD7 antibody was raised against a 17 amino acid synthetic peptide near the amino terminus of human FXYD7. The immunogen is located within the first 50 amino acids of FXYD7.
Predicted Reactive Species	Bovine
Cross Reactivity	FXYD7 antibody is human, mouse and rat reactive. FXYDY7 antibody is predicted to not react with other members of the FXDY protein family
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL

Purification	FXYP7 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	FXYP7 antibody can be used for detection of FXYP7 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 human samples; Immunohistochemistry in rat samples and Immunofluorescence in rat samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

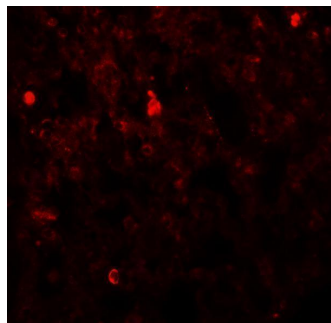
## Anti-FXYD7 Antibody (A15981) Images



Western blot analysis of FXYD7 in human lung tissue lysate with FXYD7 antibody at 1 ug/mL.



Immunohistochemistry of FXYD7 in rat lung tissue with FXYD7 antibody at 2.5 ug/mL.



Immunofluorescence of FXYD4 in rat lung tissue with FXYD4 antibody at 20 ug/mL.

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