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Datasheet for ABIN1450051
anti-FXYD7 antibody (N-Term)

2 Images

Overview

Quantity:	0.1 mg
Target:	FXYD7
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FXYD7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	17 amino acid synthetic peptide near the amino terminus of Human FXYD7
Isotype:	IgG
Cross-Reactivity (Details):	Species reactivity (tested):Human, Mouse, Rat.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	FXYD7
Alternative Name:	FXYD7 (FXYD7 Products)
Background:	FXYD7 is a member of a family of small membrane proteins that share a 35-amino acid

Target Details

signature sequence domain, beginning with the sequence PFXVD and containing seven invariant and six highly conserved amino acids. The FXVD proteins are tissue-specific regulators of Na, K-ATPase, with FXVD7 initially identified as a brain-specific member. FXVD7 interacts with Na, K-ATPase through its transmembrane domain and is thought to influence the affinity of Na, K-ATPase for external K⁺ and Na⁺ ions. Other members of the FXVD family have similar functions: FXVD2 regulates the properties of Na, K-ATPase, while FXVD1 (phospholemman), FXVD3 (MAT-8), FXVD4 (CHIF), and FXVD5 (RIC) have been shown to induce channel activity in experimental expression systems. Synonyms: FXVD domain-containing ion transport regulator 7

Gene ID: 53822

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: PBS containing 0.02 % Sodium Azide as preservative

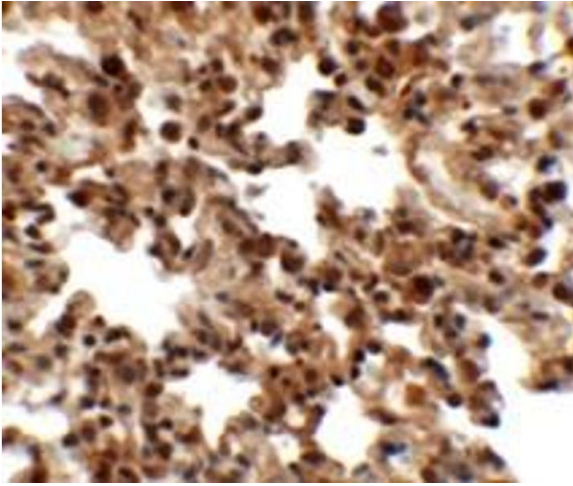
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

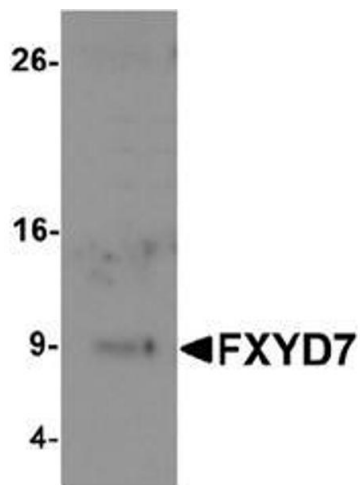
Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of FXYD7 in rat lung tissue with FXYD7 antibody at 2.5 ug/mL.



Western Blotting

Image 2. Western blot analysis of FXYD7 in human lung tissue lysate with FXYD7 antibody at 1 ug/mL.