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FXYD6 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20610c

Product Information

Application	FC, IHC-P, WB, E
Primary Accession	Q9H0Q3
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB48060
Calculated MW	10542

Additional Information

Gene ID	53826
Other Names	FXYD domain-containing ion transport regulator 6, Phosphohippolin, FXYD6
Target/Specificity	This FXYD6 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 81-115amino acids from the C-terminal region of human FXYD6.
Dilution	FC~~1:25 IHC-P~~1:100~500 WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	FXYD6 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

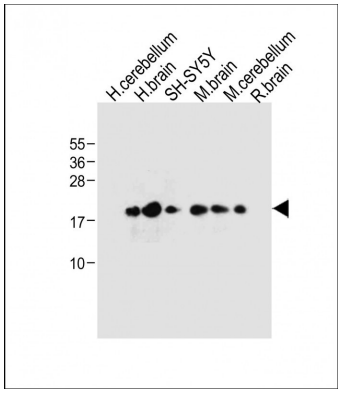
Name	FXYD6 (HGNC:4030)
Function	Associates with and regulates the activity of the sodium/potassium-transporting ATPase (NKA) which catalyzes the hydrolysis of ATP coupled with the exchange of Na(+) and K(+) ions across the plasma membrane. Reduces the apparent affinity for intracellular Na(+) with no change in the apparent affinity for extracellular K(+) (PubMed:33231612). In

	addition to modulating NKA kinetics, may also function as a regulator of NKA localization to the plasma membrane (By similarity).
Cellular Location	Cell membrane {ECO:0000250|UniProtKB:Q91XV6}; Single-pass type I membrane protein

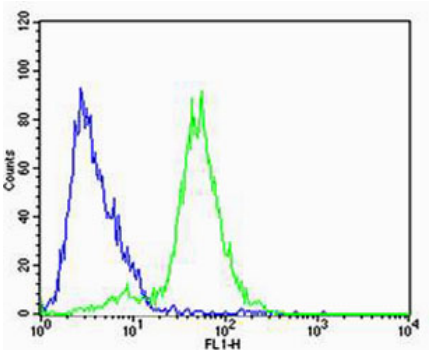
References

Wiemann S.,et al.Genome Res. 11:422-435(2001).
Clark H.F.,et al.Genome Res. 13:2265-2270(2003).
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Brandenberger R.,et al.Nat. Biotechnol. 22:707-716(2004).
Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.

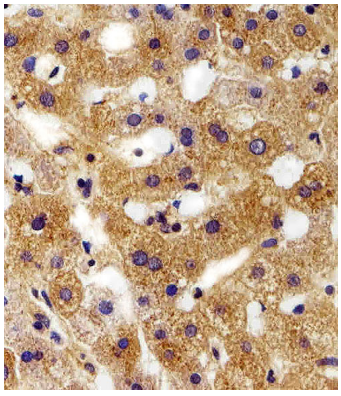
Images



All lanes : Anti-FXYD6 Antibody (C-term) at 1:1000 dilution Lane 1: Human cerebellum tissue lysate Lane 2: Human brain tissue lysate Lane 3: SH-SY5Y whole cell lysate Lane 4: Mouse brain tissue lysate Lane 5: Mouse cerebellum tissue lysate Lane 6: Rat brain tissue lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 11 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Flow cytometric analysis of SH-SY5Y cells using FXYD6 Antibody (C-term)(green, Cat#AP20610c) compared to an isotype control of rabbit IgG(blue). AP20610c was diluted at 1:25 dilution. An Alexa Fluor® 488 goat anti-rabbit lgG at 1:400 dilution was used as the secondary antibody.



Immunohistochemical analysis of paraffin-embedded H. liver section using FXYD6 Antibody (C-term)(Cat#AP20610c). AP20610c was diluted at 1:100 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.