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Anti-NCKX2 Antibody

Catalog # AP51866

Product Information

Application	WB
Primary Accession	Q9UI40
Reactivity	Human, Mouse, Rat, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	73664

Additional Information

Gene ID	25769
Other Names	NCKX2; Sodium/potassium/calcium exchanger 2; Na(+)/K(+)/Ca(2+)-exchange protein 2; Retinal cone Na-Ca+K exchanger; Solute carrier family 24 member 2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human NCKX2. The exact sequence is proprietary.
Dilution	WB~~ 1:1000
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

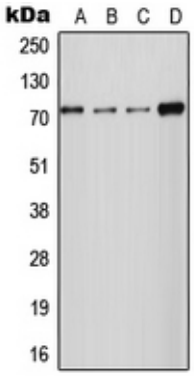
Name	SLC24A2
Synonyms	NCKX2 {ECO:0000303|PubMed:10662833}
Function	Calcium, potassium:sodium antiporter that transports 1 Ca(2+) and 1 K(+) in exchange for 4 Na(+) (PubMed:10662833, PubMed:26631410). Required for learming and memory by regulating neuronal Ca(2+), which is essential for the development of synaptic plasticity (By similarity).
Cellular Location	Cell membrane; Multi-pass membrane protein

References

Prinsen C.F.M.,et al.J. Neurosci. 20:1424-1434(2000).
Humphray S.J.,et al.Nature 429:369-374(2004).

Kinjo T.G.,et al.Biochemistry 42:2485-2491(2003).

Images



Western blot analysis of NCKX2 expression in HT1080 (A), MCF7 (B), Raw264.7 (C), PC12 (D) whole cell lysates. (Predicted band size: 73 kD; Observed band size: 73 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.