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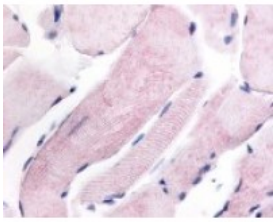
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WNK1 Antibody

CATALOG NUMBER: 48-335



Immunohistochemistry staining of WNK1 in skeletal muscle tissue using WNK1 Antibody.

Specifications

SPECIES REACTIVITY:	Bat, Bovine, Chicken, Gibbon, Gorilla, Hamster, Horse, Human, Monkey, Mouse, Pig, Rat
TESTED APPLICATIONS:	ELISA, IHC
APPLICATIONS:	WNK1 antibody can be used in immunohistochemistry starting at 6 ug/mL.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
SPECIFICITY:	BLAST analysis of the peptide immunogen showed no homology with other human proteins.
IMMUNOGEN:	WNK1 antibody was raised against a peptide located near the internal domain of WNK1 (Human).
HOST SPECIES:	Rabbit

Properties

PURIFICATION:	Immunoaffinity Chromatography
PHYSICAL STATE:	Liquid
BUFFER:	PBS, 0.1% sodium azide.
STORAGE CONDITIONS:	WNK1 antibody should be stored long term (months) at -80 ˚C and short term (days) at 4 ˚C. As with all antibodies avoid freeze/thaw cycles.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	WNK1, Erythrocyte 65 kDa protein, HSAN2, KIAA0344, Kinase deficient protein, HWNK1, PHA2C, PRKWNK1, PSK, HSN2, KDP
ACCESSION NO.:	Q9H4A3
PROTEIN GI NO.:	296453029
OFFICIAL SYMBOL:	WNK1
GENE ID:	65125

Background

BACKGROUND:	WNK1, a WNK type protein kinase, contains a small N-terminal domain followed by a kinase domain and a long C-terminal tail. The protein is cytoplasmic and has been shown to regulate both the c-Jun N-terminal kinase pathway and the actin cytoskeleton in vitro. WNK1 has been identified as the gene mutant in pseudohypoaldosteronism type 2, also known as Gordon hyperkalemia-hypertension syndrome, which is a rare autosomal dominant form of volume-dependent, low-renin hypertension. Disease-causing mutations are large intronic deletions that increase WNK1 expression. At least two variants of WNK1 are produced by alternative splicing.

FOR RESEARCH USE ONLY

December 13, 2016