

Rabbit anti-Human WNK2 Polyclonal Antibody | anti-WNK2 antibody

WKN2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA233857	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

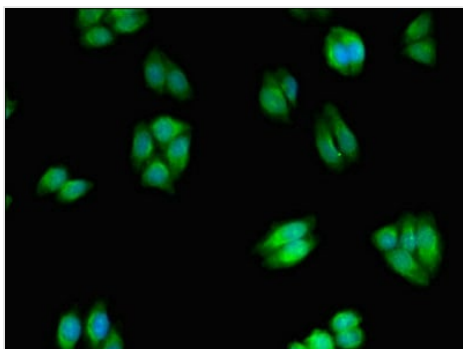
PRODUCT SYNONYMS

WNK2; Polyclonal Antibody; WNK2 Antibody; Serine/threonine-protein kinase WNK2; Antigen NY-CO-43; Protein kinase lysine-deficient 2; Protein kinase with no lysine 2; Serologically defined colon cancer antigen 43; KIAA1760; PRKWKN2; SDCCAG43; P/OKcl.13; anti-WNK2 antibody

PRODUCT SPECIFICATIONS

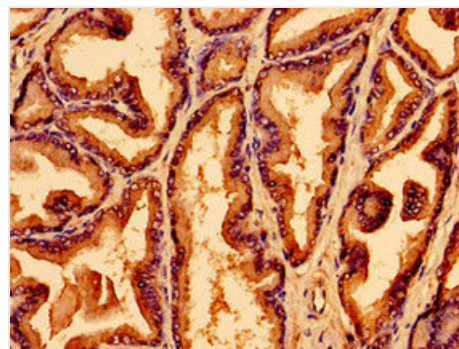
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	2297
Applicable Applications for anti-WNK2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Serine/threonine-protein kinase WNK2 protein (1177-1464AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



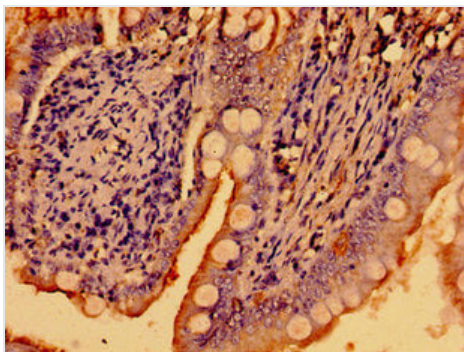
IHC (Immunohistochemisry)

Immunofluorescent analysis of HepG2 cells using AAA233857 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohiostchemistry)

Immunohistochemistry of paraffin-embedded human prostate tissue using AAA233857 at dilution of 1:100



IHC (Immunohistochemistry)
 Immunohistochemistry of paraffin-embedded human small intestine tissue using AAA233857 at dilution of 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-WNK2 antibody	Serine/threonine kinase which plays an important role in the regulation of electrolyte homeostasis, cell signaling, survival, and proliferation. Acts as an activator and inhibitor of sodium-coupled chloride cotransporters and potassium-coupled chloride cotransporters respectively. Activates SLC12A2, SCNN1A, SCNN1B, SCNN1D and SGK1 and inhibits SLC12A5. Negatively regulates the EGF-induced activation of the ERK/MAPK-pathway and the downstream cell cycle progression. Affects MAPK3/MAPK1 activity by modulating the activity of MAP2K1 and this modulation depends on phosphorylation of MAP2K1 by PAK1. WNK2 acts by interfering with the activity of PAK1 by controlling the balance of the activity of upstream regulators of PAK1 activity, RHOA and RAC1, which display reciprocal activity.
Product Categories/Family for anti-WNK2 antibody	Epigenetics and Nuclear Signaling; Cancer; Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	538918207
NCBI GeneID	65268
NCBI Accession #	NP_001269323.1
NCBI GenBank Nucleotide #	NM_001282394.1
UniProt Accession #	Q9Y3S1; Q5VWF1; Q5VWF2; Q8IY36; Q9C0A3; Q9H3P4
Molecular Weight	238,279 Da
NCBI Official Full Name	serine/threonine-protein kinase WNK2 isoform 1
NCBI Official Synonym Full Names	WNK lysine deficient protein kinase 2
NCBI Official Symbol	WNK2
NCBI Official Synonym Symbols	PRKWNK2; NY-CO-43; SDCCAG43; P/OKcl.13
NCBI Protein Information	serine/threonine-protein kinase WNK2
UniProt Protein Name	Serine/threonine-protein kinase WNK2
UniProt Gene Name	WNK2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.