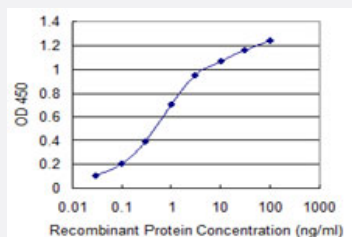


WNK4 monoclonal antibody (M02), clone 1E6

Catalog # H00065266-M02

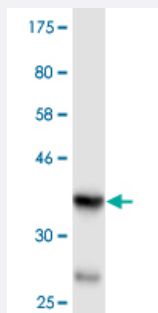
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged WNK4 is 0.03 ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant WNK4.

Immunogen

WNK4 (NP_115763.2, 1144 a.a. ~ 1243 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

KHLSEVETLQTLQKKEIEDLYSRLGKQPPPGMAPAAMLSSRQRRLSKGSFPTSRRLSLQRSEPP
GPGIMRRNSLSGSSTGSQEQRASKGVTFAGDVGRM

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence	Mouse (95); Rat (95)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged WNK4 is 0.03 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — WNK4

Entrez GeneID	65266
GeneBank Accession#	NM_032387
Protein Accession#	NP_115763.2
Gene Name	WNK4
Gene Alias	PHA2B, PRKWNK4
Gene Description	WNK lysine deficient protein kinase 4
Omim ID	145260 601844
Gene Ontology	Hyperlink

Gene Summary

This gene encodes a member of the WNK family of serine-threonine protein kinases. The kinase is part of the tight junction complex in kidney cells, and regulates the balance between NaCl reabsorption and K(+) secretion. The kinase regulates the activities of several types of ion channels, cotransporters, and exchangers involved in electrolyte flux in epithelial cells. Mutations in this gene result in pseudohypoaldosteronism type IIb

Other Designations

protein kinase, lysine deficient 4

Disease

- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Hyperlipidemias](#)
- [Hypertension](#)
- [Hypotension](#)
- [Pseudohypoaldosteronism](#)
- [Syndrome](#)