

**WNK2 Antibody (monoclonal) (M01)****Mouse monoclonal antibody raised against a partial recombinant WNK2.****Catalog # AT4541a****Specification**

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**WNK2 Antibody (monoclonal) (M01) - Product Information**

Application	WB, IHC, E
Primary Accession	<a href="#">O9Y3S1</a>
Other Accession	<a href="#">NM_006648</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	242676

**WNK2 Antibody (monoclonal) (M01) - Additional Information****Gene ID** 65268**Other Names**

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, WNK2, KIAA1760, PRKWNK2, SDCCAG43

**Target/Specificity**

WNK2 (NP\_006639, 2118 a.a. ~ 2217 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Dilution**

WB~~1:500~1000

**Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Precautions**

WNK2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

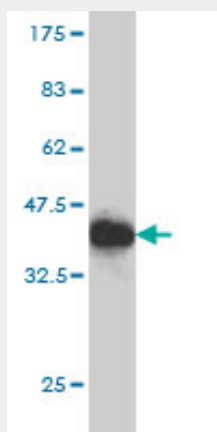
**WNK2 Antibody (monoclonal) (M01) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

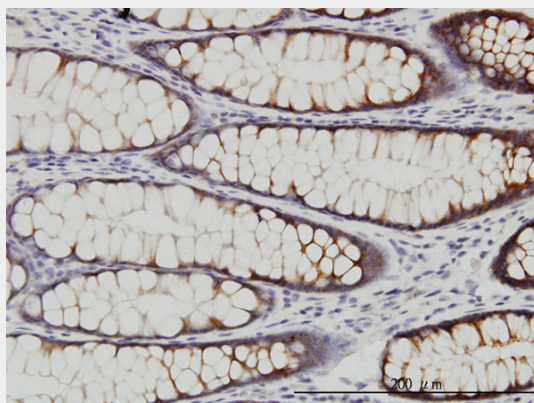
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

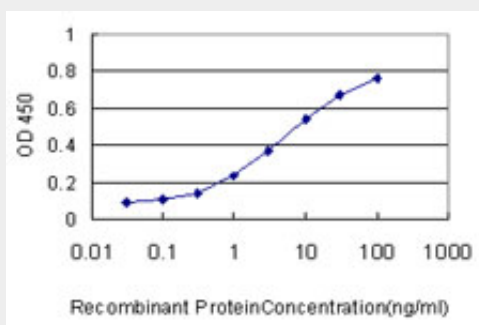
### WNK2 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 kDa) .



Immunoperoxidase of monoclonal antibody to WNK2 on formalin-fixed paraffin-embedded human colon. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged WNK2 is approximately 0.1ng/ml as a capture antibody.

### WNK2 Antibody (monoclonal) (M01) - Background

The protein encoded by this gene is a cytoplasmic serine-threonine kinase that contains cysteine in place of the lysine found at the conserved ATP-binding location in subdomain II of protein kinases. Since this protein does have kinase activity, it is possible that another lysine in the kinase subdomain I can substitute for the missing conserved lysine.

#### **WNK2 Antibody (monoclonal) (M01) - References**

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614. Association of genetic variants with hemorrhagic stroke in Japanese individuals. Yoshida T, et al. Int J Mol Med, 2010 Apr. PMID 20198315. Assessment of a polymorphism of SDK1 with hypertension in Japanese Individuals. Oguri M, et al. Am J Hypertens, 2010 Jan. PMID 19851296. Association of gene polymorphisms with chronic kidney disease in Japanese individuals. Yoshida T, et al. Int J Mol Med, 2009 Oct. PMID 19724895. Epigenetic silencing of the kinase tumor suppressor WNK2 is tumor-type and tumor-grade specific. Jun P, et al. Neuro Oncol, 2009 Aug. PMID 19001526.