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WNK2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant WNK2.
Catalog # AT4541a

Specification

WNK2 Antibody (monoclonal) (M01) - Product Information

Application	**WB, IHC, E**
Primary Accession	Q9Y3S1
Other Accession	NM_006648
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
IHC~~1:100~500
E~~N/A

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.

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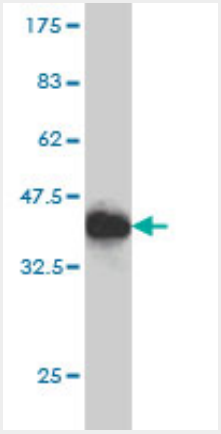
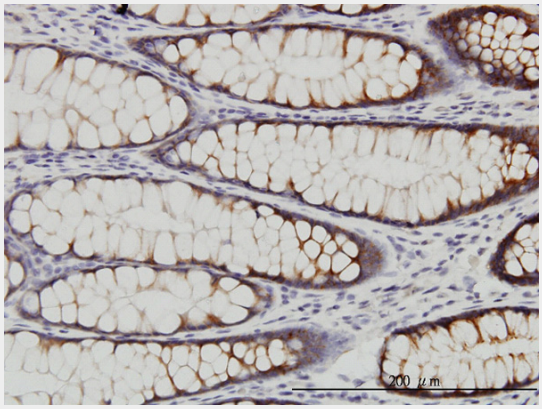
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

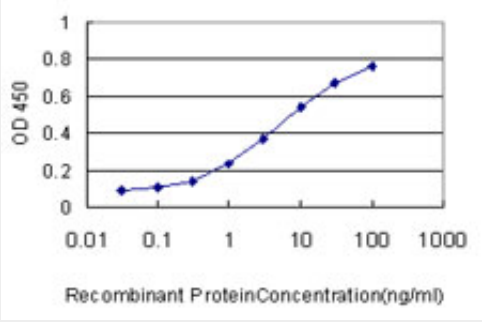
WNK2 Antibody (monoclonal) (M01) - Images



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.