

GKN1 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a full length recombinant GKN1.****Catalog # AT2203a****Specification**

GKN1 Antibody (monoclonal) (M01) - Product Information

Application	WB, E
Primary Accession	O9NS71
Other Accession	BC059778
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 kappa
Calculated MW	20331

GKN1 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 56287**Other Names**

Gastrophilin-1, 18 kDa antrum mucosa protein, AMP-18, Protein CA11, GKN1, AMP18, CA11

Target/Specificity

GKN1 (AAH59778, 21 a.a. ~ 185 a.a) full-length 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

GKN1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

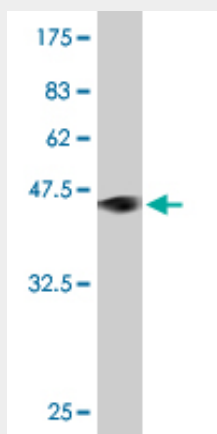
GKN1 Antibody (monoclonal) (M01) - Protocols

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

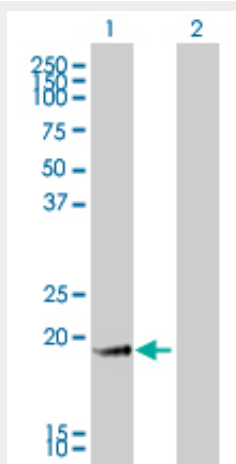
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

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

GKN1 Antibody (monoclonal) (M01) - Images



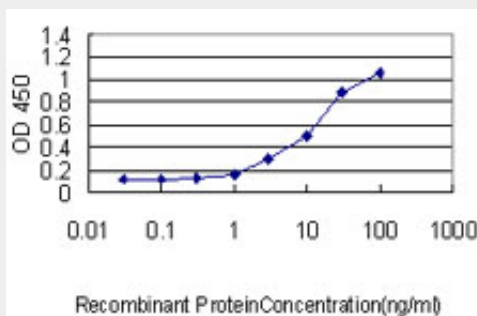
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (43.89 KDa) .



Western Blot analysis of GKN1 expression in transfected 293T cell line by GKN1 monoclonal antibody (M01), clone 2E5.

Lane 1: GKN1 transfected lysate (20 KDa).

Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged GKN1 is approximately 0.1ng/ml as a capture antibody.

GKN1 Antibody (monoclonal) (M01) - Background

The protein encoded by this gene is found to be down-regulated in human gastric cancer tissue as compared to normal gastric mucosa.

GKN1 Antibody (monoclonal) (M01) - References

1. Helicobacter pylori infection and administration of non-steroidal anti-inflammatory drugs down-regulate the expression of gastrophilin-1 in gastric mucosa. Mao W, Chen J, Peng TL, Yin XF, Chen LZ, Chen MH. Turk J Gastroenterol. 2012 Jun;23(3):212-9. 2. Downregulation of gastrophilin-1 in gastric cancer tissues and restoration of its expression induced gastric cancer cells to apoptosis. Mao W, Chen J, Peng TL, Yin XF, Chen LZ, Chen MH. J Exp Clin Cancer Res. 2012 May 23;31:49. doi: 10.1186/1756-9966-31-49. 3. Characterization of the Human Gastric Fluid Proteome Reveals Distinct pH-Dependent Protein Profiles: Implications for Biomarker Studies. Kam SY, Hennessy T, Chua SC, Gan CS, Philp R, Hon KK, Lai L, Chan WH, Ong HS, Wong WK, Lim KH, Ling KL, Tan HS, Tan MM, Ho M, Kon OL. J Proteome Res. 2011 Aug 15. [Epub ahead of print] 4. Overexpression of gastrophilin 1 in gastric cancer cells induces fas-mediated apoptosis. Rippa E, La Monica G, Allocca R, Romano MF, De Palma M, Arcari P. J Cell Physiol. 2010 Dec 28. [Epub ahead of print]