

PLEKHG5 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant PLEKHG5.****Catalog # AT3341a****Specification**

PLEKHG5 Antibody (monoclonal) (M01) - Product Information

Application	IF, WB, IHC, E
Primary Accession	O94827
Other Accession	NM_020631
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	111231

PLEKHG5 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 57449**Other Names**

Pleckstrin homology domain-containing family G member 5, PH domain-containing family G member 5, Guanine nucleotide exchange factor 720, GEF720, PLEKHG5, KIAA0720

Target/Specificity

PLEKHG5 (NP_065682, 896 a.a. ~ 995 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

PLEKHG5 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

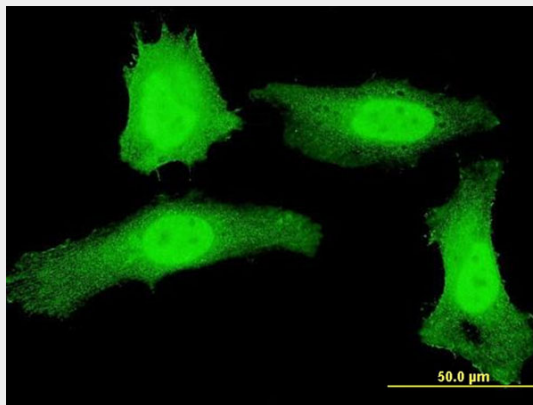
PLEKHG5 Antibody (monoclonal) (M01) - Protocols

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

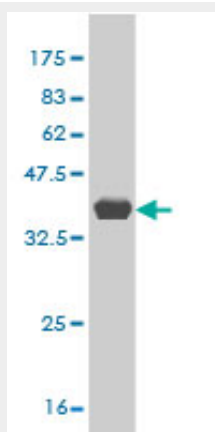
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

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

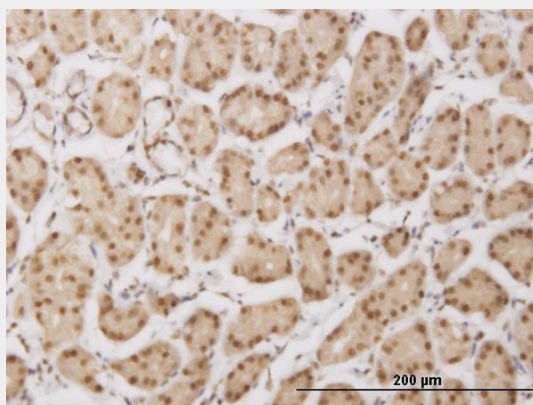
PLEKHG5 Antibody (monoclonal) (M01) - Images



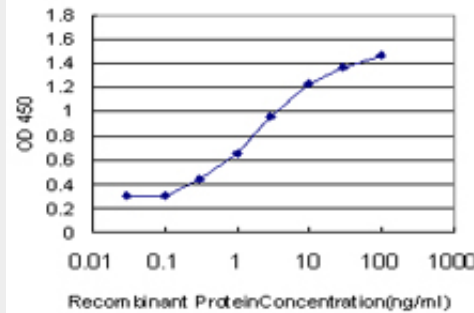
Immunofluorescence of monoclonal antibody to PLEKHG5 on HeLa cell . [antibody concentration 10 ug/ml]



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



Immunoperoxidase of monoclonal antibody to PLEKHG5 on formalin-fixed paraffin-embedded human stomach. [antibody concentration 1.5 ug/ml]



Detection limit for recombinant GST tagged PLEKHG5 is approximately 0.3ng/ml as a capture antibody.

PLEKHG5 Antibody (monoclonal) (M01) - Background

This gene encodes a protein that activates the nuclear factor kappa B (NFKB1) signaling pathway. Mutations in this gene have been found in a family with distal spinal muscular atrophy.

PLEKHG5 Antibody (monoclonal) (M01) - References

1. Phosphorylation-mediated 14-3-3 Protein Binding Regulates the Function of the Rho-specific Guanine Nucleotide Exchange Factor (RhoGEF) Syx. Ngok SP, Geyer R, Kourtidis A, Storz P, Anastasiadis PZ. *J Biol Chem.* 2013 Mar 1;288(9):6640-50. doi: 10.1074/jbc.M112.432682. Epub 2013 Jan 18.

2. VEGF and Angiopoietin-1 exert opposing effects on cell junctions by regulating the Rho GEF Syx. Ngok SP, Geyer R, Liu M, Kourtidis A, Agrawal S, Wu C, Seerapu HR, Lewis-Tuffin LJ, Moodie KL, Huvelde D, Marx R, Baraban JM, Storz P, Horowitz A, Anastasiadis PZ. *J Cell Biol.* 2012 Dec 24;199(7):1103-15. doi: 10.1083/jcb.201207009. Epub 2012 Dec 17.