

PLEKHG5 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant PLEKHG5.

Catalog # AT3341a

Product Information

Application	WB, IHC, IF, E
Primary Accession	O94827
Other Accession	NM_020631
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	5A9
Calculated MW	111231

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 IHC~~1:100~500 IF~~1:50~200 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	PLEKHG5 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

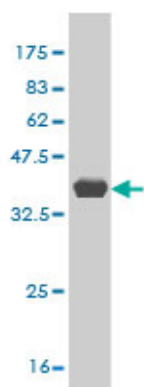
This gene encodes a protein that activates the nuclear factor kappa B (NFkB1) signaling pathway. Mutations in this gene have been found in a family with distal spinal muscular atrophy.

References

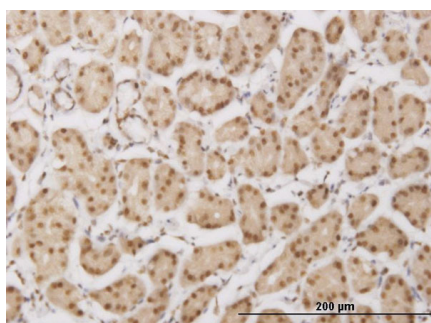
1. Phosphorylation-mediated 14-3-3 Protein Binding Regulates the Function of the Rho-specific Guanine Nucleotide Exchange Factor (RhoGEF) Syx. Ngok SP, Geyer R, Kourtidis A, Storz P, Anastasiadis PJ. *Biol Chem.* 2013 Mar 1;288(9):6640-50. doi: 10.1074/jbc.M112.432682. Epub 2013 Jan 18. 2. VEGF and Angiotensin-1

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, Huveltdt 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.

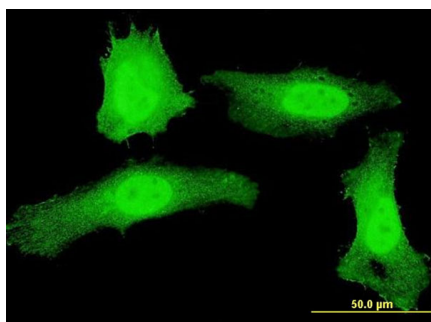
Images



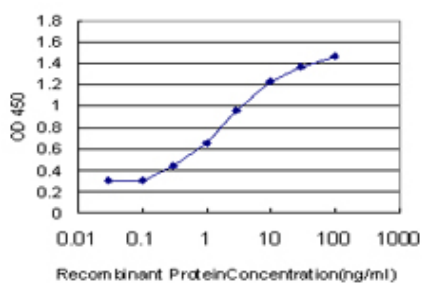
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .



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



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



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.