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POGK Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant POGK.
Catalog # AT3364a

Product Information

Application	WB, IF, E
Primary Accession	Q9P215
Other Accession	NM_017542
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	1A9
Calculated MW	69444

Additional Information

Gene ID	57645
Other Names	Pogo transposable element with KRAB domain, POGK, KIAA1513
Target/Specificity	POGK (NP_060012, 431 a.a. ~ 540 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 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	POGK Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

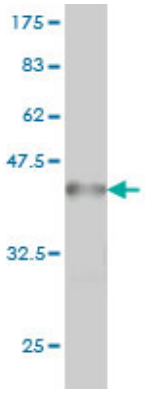
The exact function of the protein encoded by this gene is not known. However, this gene product contains a KRAB domain (which is involved in protein-protein interactions) at the N-terminus, and a transposase domain at the C-terminus, suggesting that it may belong to the family of DNA-mediated transposons in human.

References

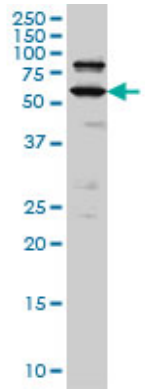
Follow-up of a major linkage peak on chromosome 1 reveals suggestive QTLs associated with essential hypertension: GenNet study. Ehret GB, et al. Eur J Hum Genet, 2009 Dec. PMID 19536175.Pre-B-cell leukemia homeobox 1 (PBX1) shows functional and possible genetic association with bone mineral density variation.

Cheung CL, et al. Hum Mol Genet, 2009 Feb 15. PMID 19064610.Toward a confocal subcellular atlas of the human proteome. Barbe L, et al. Mol Cell Proteomics, 2008 Mar. PMID 18029348.A probability-based approach for high-throughput protein phosphorylation analysis and site localization. Beausoleil SA, et al. Nat Biotechnol, 2006 Oct. PMID 16964243.Complete sequencing and characterization of 21,243 full-length human cDNAs. Ota T, et al. Nat Genet, 2004 Jan. PMID 14702039.

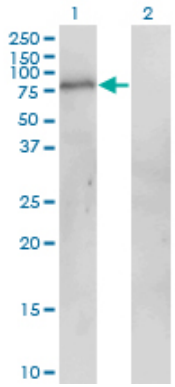
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.84 KDa) .

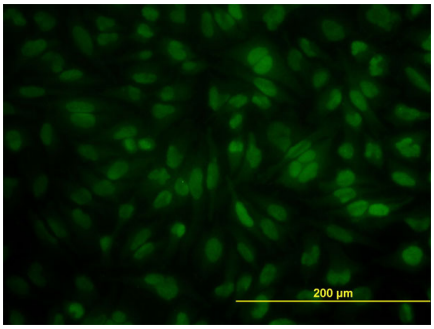


POGK monoclonal antibody (M01), clone 1A9 Western Blot analysis of POGK expression in Hela S3 NE ((Cat # AT3364a)



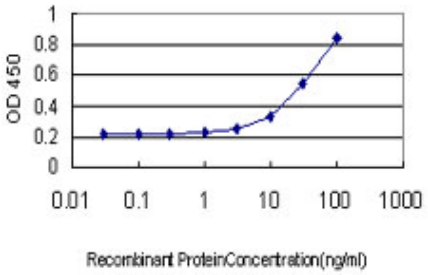
Western Blot analysis of POGK expression in transfected 293T cell line by POGK monoclonal antibody (M01), clone 1A9.

Lane 1: POGK transfected lysate(69.4 KDa).
Lane 2: Non-transfected lysate.



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

Detection limit for recombinant GST tagged POGK is



approximately 1ng/ml as a capture antibody.

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