

POGK Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant POGK.****Catalog # AT3364a****Specification**

POGK Antibody (monoclonal) (M01) - Product Information

Application	IF, WB, E
Primary Accession	O9P215
Other Accession	NM_017542
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	69444

POGK Antibody (monoclonal) (M01) - 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

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.

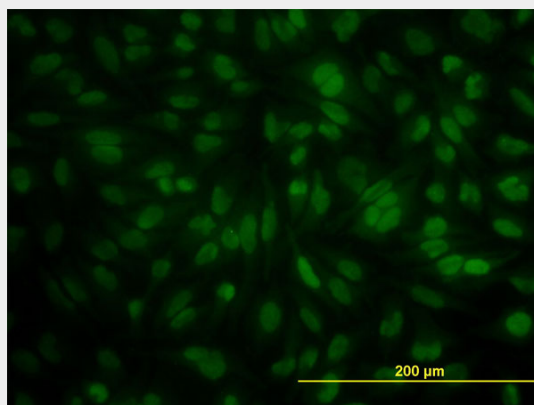
POGK Antibody (monoclonal) (M01) - Protocols

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

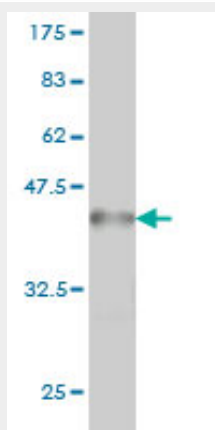
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

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

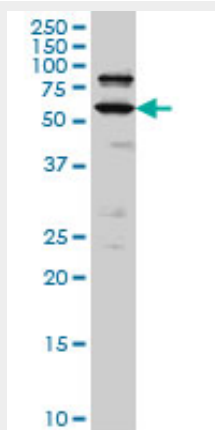
POGK Antibody (monoclonal) (M01) - Images



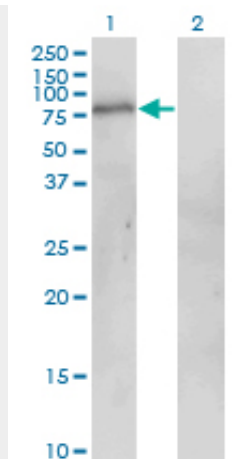
Immunofluorescence of monoclonal antibody to POGK on HeLa cell. [antibody concentration 10 ug/ml]



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



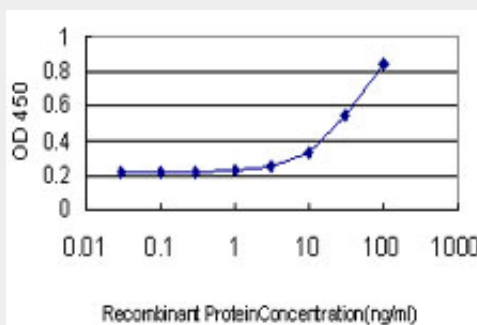
POGK monoclonal antibody (M01), clone 1A9 Western Blot analysis of POGK expression in HeLa S3 NE ((Cat # AT3364a)



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.



Detection limit for recombinant GST tagged POGK is approximately 1ng/ml as a capture antibody.

POGK Antibody (monoclonal) (M01) - 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.

POGK Antibody (monoclonal) (M01) - 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.