

AHNAK Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant AHNAK.

Catalog # AT1072a

Specification

AHNAK Antibody (monoclonal) (M01) - Product Information

Application	IP, WB, E
Primary Accession	Q09666
Other Accession	NM_024060
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	629101

AHNAK Antibody (monoclonal) (M01) - Additional Information**Gene ID** 79026**Other Names**

Neuroblast differentiation-associated protein AHNAK, Desmoyokin, AHNAK, PM227

Target/Specificity

AHNAK (NP_076965, 1 a.a. ~ 100 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

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

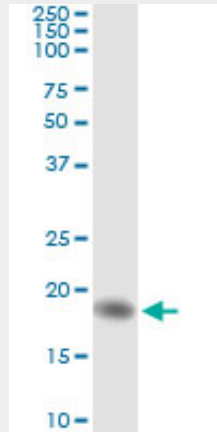
AHNAK Antibody (monoclonal) (M01) - Protocols

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

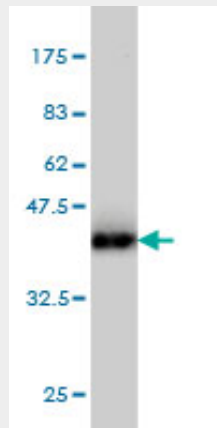
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

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

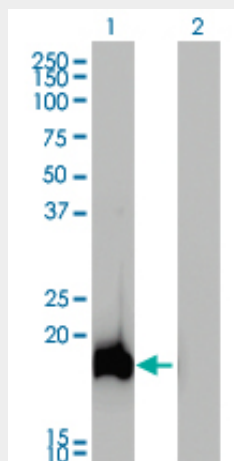
AHNAK Antibody (monoclonal) (M01) - Images



Immunoprecipitation of AHNAK transfected lysate using anti-AHNAK monoclonal antibody and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with AHNAK MaxPab rabbit polyclonal antibody.

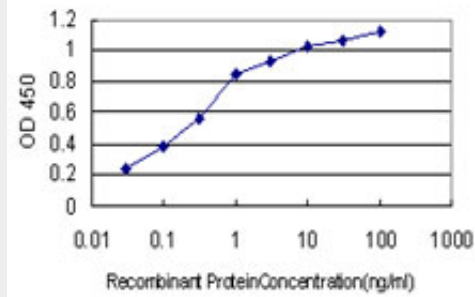


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .



Western Blot analysis of AHNAK expression in transfected 293T cell line by AHNAK monoclonal antibody (M01), clone 3G7.

Lane 1: AHNAK transfected lysate(16 KDa).
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged AHNAK is approximately 0.03ng/ml as a capture antibody.

AHNAK Antibody (monoclonal) (M01) - References

1. Proteomic investigation of the interactome of FMNL1 in hematopoietic cells unveils a role in calcium-dependent membrane plasticity. Han Y, Yu G, Sarioglu H, Caballero-Martinez A, Schlott F, Ueffing M, Haase H, Peschel C, Krackhardt AM. *J Proteomics*. 2012 Nov 24. pii: S1874-3919(12)00756-7. doi: 10.1016/j.jprot.2012.11.015.
2. AHNAK1 interaction is affected by phosphorylation of Ser-296 on Cav2. Pankonien I, Otto A, Dascal N, Morano I, Haase H. *Biochem Biophys Res Commun*. 2012 Apr 4. [Epub ahead of print]
3. AHNAK1 abnormally localizes in muscular dystrophies and contributes to muscle vesicle release. Zacharias U, Purfurst B, Schowel V, Morano I, Spuler S, Haase H. *J Muscle Res Cell Motil*. 2011 Nov 5. [Epub ahead of print]
4. The C type natriuretic peptide receptor tethers AHNAK1 at the plasma membrane to potentiate arachidonic acid induced calcium mobilization. Alli AA, Gower WR Jr. *Am J Physiol Cell Physiol*. 2009 Aug 26. [Epub ahead of print]
5. Searching for new biomarkers of bladder cancer based on proteomic analysis. Okusa H, Kodera Y, Oh-Ishi M, Minamida Y, Tsuchida M, Kavoussi N, Matsumoto K, Sato T, Iwamura M, Maeda Y, Baba S. *J Electrophoresis* 2008 ; 52 : 19