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AKR7A2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant AKR7A2.
Catalog # AT1096a

Specification

AKR7A2 Antibody (monoclonal) (M01) - Product Information

Application	**WB, E**
Primary Accession	O43488
Other Accession	BC004111
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 kappa**
Calculated MW	**39589**

AKR7A2 Antibody (monoclonal) (M01) - Additional Information

Gene ID 8574

Other Names
Aflatoxin B1 aldehyde reductase member 2, 111n11, AFB1 aldehyde reductase 1, AFB1-AR 1, Aldoketoreductase 7, Succinic semialdehyde reductase, SSA reductase, AKR7A2, AFAR, AFAR1, AKR7

Target/Specificity
AKR7A2 (AAH04111.3, 1 a.a. ~ 330 a.a) full-length 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
AKR7A2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

AKR7A2 Antibody (monoclonal) (M01) - Protocols

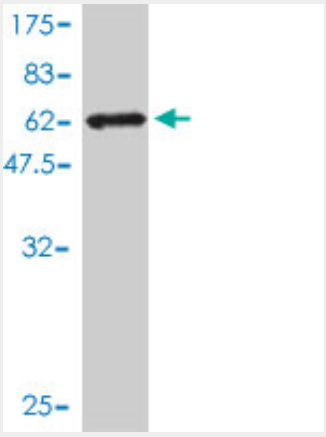
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides

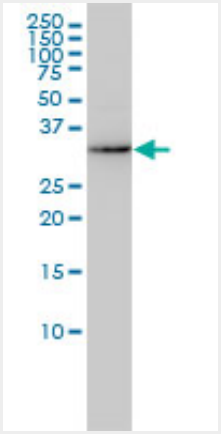
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- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

AKR7A2 Antibody (monoclonal) (M01) - Images

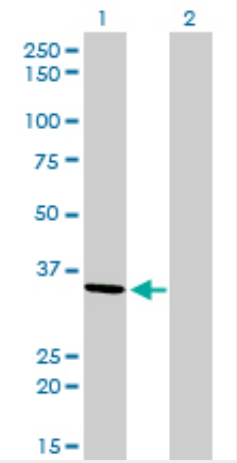


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (61.82 KDa) .



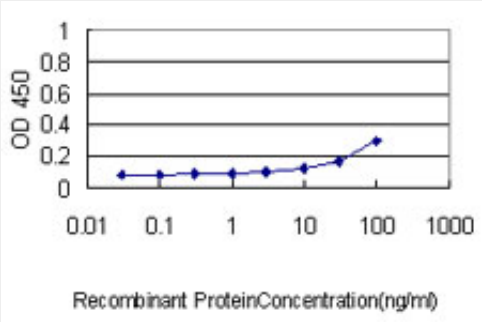
AKR7A2 monoclonal antibody (M01), clone 2A6 Western Blot analysis of AKR7A2 expression in HL-60 ((Cat # AT1096a)

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Western Blot analysis of AKR7A2 expression in transfected 293T cell line by AKR7A2 monoclonal antibody (M01), clone 2A6.

Lane 1: AKR7A2 transfected lysate(36.6 KDa).
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged AKR7A2 is approximately 1ng/ml as a capture antibody.

AKR7A2 Antibody (monoclonal) (M01) - Background

Aldo-keto reductases, such as AKR7A2, are involved in the detoxification of aldehydes and ketones.

AKR7A2 Antibody (monoclonal) (M01) - References

Proteomic analysis of pancreatic ductal adenocarcinoma compared with normal adjacent pancreatic tissue and pancreatic benign cystadenoma. Cui Y, et al. Pancreatology, 2009. PMID 19077459.Genetic variation of Aflatoxin B1 aldehyde reductase genes (AFAR) in human tumour cells. Praml C, et al. Cancer Lett, 2008 Dec 8. PMID 18752886.Synthesis and catabolism of gamma-hydroxybutyrate in SH-SY5Y human neuroblastoma cells: role of the aldo-keto reductase AKR7A2. Lyon RC, et al. J Biol Chem, 2007 Sep 7. PMID 17591773.The DNA sequence and biological annotation of human chromosome 1. Gregory SG, et al. Nature, 2006 May 18. PMID 16710414.Disrupted function and axonal distribution of mutant tyrosyl-tRNA synthetase in dominant intermediate Charcot-Marie-Tooth neuropathy. Jordanova A, et al. Nat Genet, 2006 Feb. PMID 16429158.