

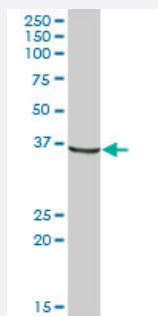
MaxPab®

AKR1A1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00010327-B01P

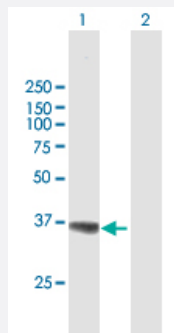
Size 50 ug

Applications



Western Blot (Tissue lysate)

AKR1A1 MaxPab polyclonal antibody. Western Blot analysis of AKR1A1 expression in human liver.



Western Blot (Transfected lysate)

Western Blot analysis of AKR1A1 expression in transfected 293T cell line ([H00010327-T01](#)) by AKR1A1 MaxPab polyclonal antibody.

Lane 1: AKR1A1 transfected lysate(35.75 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human AKR1A1 protein.

Immunogen

AKR1A1 (NP_006057.1, 1 a.a. ~ 325 a.a) full-length human protein.

Sequence

MAASCVLLHTGQKMPLIGLTWKSEPGQVKA AVKYALSVGYRHIDCAAYGNEPEIGEALKEDVG
PGKAVPREELFVTSKLVNTKHHPEDVEPALRKTLDLQLEYLDLYLMHWPYAFERGDNPFPKNA
DGTICYDSTHYKETWKALEALVAKGLVQALGLSNFNSRQIDDILSVASVRPAVLQVECHPYLAQNE
LIAHCQARGLEVTAYSPLGSSDRAWRPDEPVLLEEPVVLALAEKYGRSPAQILLRWQVQRKVICI
PKSITPSRILQNIKVDFDTFSPEEMKQLNALNKNWRYVPMLTVDGKRVPDRDAGHPLYPFNDPY

Host

Mouse

Reactivity	Human
Interspecies Antigen Sequence	Mouse (93); Rat (94)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

AKR1A1 MaxPab polyclonal antibody. Western Blot analysis of AKR1A1 expression in human liver.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of AKR1A1 expression in transfected 293T cell line ([H00010327-T01](#)) by AKR1A1 MaxPab polyclonal antibody.

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[Protocol Download](#)

Gene Info — AKR1A1

Entrez GeneID	10327
GeneBank Accession#	NM_006066.2
Protein Accession#	NP_006057.1
Gene Name	AKR1A1
Gene Alias	ALDR1, ALR, ARM, DD3, MGC12529, MGC1380
Gene Description	aldo-keto reductase family 1, member A1 (aldehyde reductase)
Omim ID	103830
Gene Ontology	Hyperlink

Gene Summary

This gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. This member, also known as aldehyde reductase, is involved in the reduction of biogenic and xenobiotic aldehydes and is present in virtually every tissue. Alternative splicing of this gene results in two transcript variants encoding the same protein. [provided by RefSeq]

Other Designations

OTTHUMP00000009240|OTTHUMP00000009241|alcohol dehydrogenase|aldehyde reductase|aldo-keto reductase family 1, member A1|dihydrodiol dehydrogenase 3

Pathway

- [Caprolactam degradation](#)
- [Glycerolipid metabolism](#)
- [Glycolysis / Gluconeogenesis](#)
- [Metabolic pathways](#)

Disease

- [Adenocarcinoma](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)