

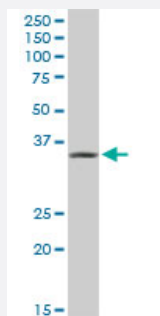
MaxPab®

AKR1A1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00010327-D01P

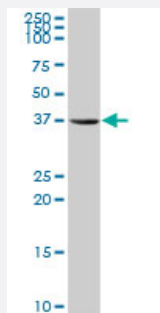
Size 100 ug

Applications



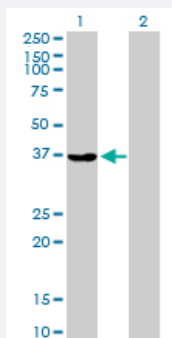
Western Blot (Tissue lysate)

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



Western Blot (Tissue lysate)

AKR1A1 MaxPab rabbit polyclonal antibody. Western Blot analysis of AKR1A1 expression in mouse kidney.



Western Blot (Transfected lysate)

Western Blot analysis of AKR1A1 expression in transfected 293T cell line ([H00010327-T02](#)) by AKR1A1 MaxPab polyclonal antibody.

Lane 1: AKR1A1 transfected lysate(36.60 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit 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	MAASCVLLHTGQKMPLIGLGTWKSEPGQVKAAVKYALSVGYRHIDCAAIYGNEPEIGEALKEDVG PGKAVPREELFVTSKLWNTKHHPEDVEPALRKTLADLQLEYLDLYLMHWPYAFERGDNPFPKNA DGTICYDSTHYKETWKALEALVAKGLVQALGLSNFNRSRQIDDILSVASVRPAVLQVECHPYLAQNE LIAHCQARGLEVTAYSPLGSSDRAWRPDEPVLLEEPVVLALAEKYGRSPAQILLRWQVQRKVICI PKSITPSRILQNIKVDFDTFSPEEMKQLNALNKNWRYIVPMLTVDGKRVPDAGHPLYPFNDPY
Host	Rabbit
Reactivity	Human, Mouse
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 rabbit polyclonal antibody. Western Blot analysis of AKR1A1 expression in human colon.

[Protocol Download](#)

- Western Blot (Tissue lysate)

AKR1A1 MaxPab rabbit polyclonal antibody. Western Blot analysis of AKR1A1 expression in mouse kidney.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of AKR1A1 expression in transfected 293T cell line ([H00010327-T02](#)) by AKR1A1 MaxPab polyclonal antibody.

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Lane 2: Non-transfected lysate.

[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

Publication Reference

- [AKR1A1 is a novel mammalian S-nitroso-glutathione reductase.](#)

Stomberski CT, Anand P, Venetos NM, Hausladen A, Zhou HL, Premont RT, Stamler JS.

The Journal of Biological Chemistry 2019 Nov; 294(48):18285.

Application: IP, WB-Ti, Mouse, Kidneys, Livers

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](#)