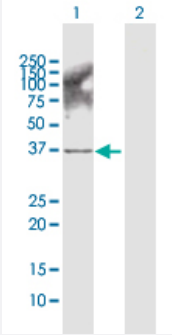
MaxPab®

AKR1B10 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00057016-D01P Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of AKR1B10 expression in transfected 293T cell line (H00057016-T01) by AKR1B10 MaxPab polyclonal antibody.

Lane 1: AKR1B10 transfected lysate(36.00 KDa).
Lane 2: Non-transfected lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human AKR1B10 protein.
Immunogen	AKR1B10 (NP_064695.2, 1 a.a. ~ 316 a.a) full-length human protein.
Sequence	MATFVELSTKAKMPIVGLGTWKSPLGKVKEAVKVAIDAGYRHIDCAYVYQNEHEVGEAIQEKIQEK AVKREDLFIVSKLWPTFFERPLVRKAFEKTLKDLKLSYLDVYLIHWPQGFKSGDDLFPKDDKGNAI GGKATFLDAWEAMEELVDEGLVKALGVSNFSHFQIEKLLNKPGLKYKPVTNQVECHPYLTQEKLI QYCHSKGITVTAYSPLGSPDRPWAKPEDPSLLEDPKIKEIAAKHKKTAAQVLIRFHIQRNVIVIPKSV TPARIVENIQVFDFKLSDEEMATILSFNRNWRACNVLQSSHLEDYPFDAEY
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (82); Rat (81)
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.

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  Protocol Download

Gene Info — AKR1B10

Entrez GeneID	57016
GeneBank Accession#	NM_020299.3
Protein Accession#	NP_064695.2
Gene Name	AKR1B10
Gene Alias	AKR1B11, AKR1B12, ALDRLn, ARL-1, ARL1, HIS, HSI, MGC14103
Gene Description	aldo-keto reductase family 1, member B10 (aldose reductase)
Omim ID	604707
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 can efficiently reduce aliphatic and aromatic aldehydes, and it is less active on hexoses. It is highly expressed in adrenal gland, small intestine, and colon, and may play an important role in liver carcinogenesis. [provided by RefSeq
Other Designations	aldo-keto reductase family 1, member B10|aldo-keto reductase family 1, member B11 (aldose reductase-like)|aldose reductase-like 1|aldose reductase-like peptide|aldose reductase-related protein|small intestine reductase

Pathway

- Bisphenol A degradation
- Butanoate metabolism

- Fructose and mannose metabolism
- Linoleic acid metabolism
- Metabolic pathways
- Tetrachloroethene degradation

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Diabetic Nephropathies
- Diabetic Retinopathy
- Disease Progression
- Edema
- Genetic Predisposition to Disease