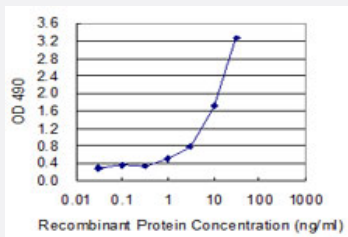


AKR1A1 (Human) Matched Antibody Pair

Catalog # H00010327-AP22 Size 1 Set

Applications



Sandwich ELISA detection sensitivity ranging from 1 ng/ml to 30 ng/ml.

Specification

Product Description	This antibody pair set comes with a matched antibody pair to detect and quantify the protein level of human AKR1A1.
Reactivity	Human
Interspecies Antigen Sequence	Mouse (93); Rat (94)
Quality Control Testing	Standard curve using recombinant protein (H00010327-P01) as an analyte. Sandwich ELISA detection sensitivity ranging from 1 ng/ml to 30 ng/ml.
Supplied Product	Antibody pair set content: 1. Capture antibody: rabbit MaxPab® affinity purified polyclonal anti-AKR1A1 (100 ug) 2. Detection antibody: mouse purified polyclonal anti-AKR1A1 (20 ug) *Reagents are sufficient for at least 1-2 x 96 well plates using recommended protocols.
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- ELISA Pair (Recombinant protein)

[Protocol Download](#)

Gene Info — AKR1A1

Entrez GeneID [10327](#)

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](#)