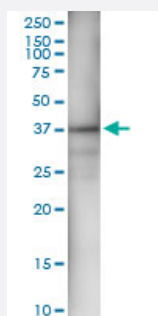


AKR1C4 (Human) IP-WB Antibody Pair

Catalog # H00001109-PW1

Size 1 Set

Applications



Immunoprecipitation of AKR1C4 transfected lysate using rabbit polyclonal anti-AKR1C4 and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with mouse polyclonal anti-AKR1C4.

Specification

Product Description	This IP-WB antibody pair set comes with one antibody for immunoprecipitation and another to detect the precipitated protein in western blot.
Reactivity	Human
Quality Control Testing	Immunoprecipitation-Western Blot (IP-WB) Immunoprecipitation of AKR1C4 transfected lysate using rabbit polyclonal anti-AKR1C4 and Protein A Magnetic Bead (U0007), and immunoblotted with mouse polyclonal anti-AKR1C4.
Supplied Product	Antibody pair set content: 1. Antibody pair for IP: rabbit polyclonal anti-AKR1C4 (300 ul) 2. Antibody pair for WB: mouse polyclonal anti-AKR1C4 (50 ul)
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

- Immunoprecipitation-Western Blot

[Protocol Download](#)

Gene Info — AKR1C4

Entrez GeneID	1109
Gene Name	AKR1C4
Gene Alias	3-alpha-HSD, C11, CDR, CHDR, DD4, HAKRA, MGC22581
Gene Description	aldo-keto reductase family 1, member C4 (chlordecone reductase; 3-alpha hydroxysteroid dehydrogenase, type I; dihydrodiol dehydrogenase 4)
Omim ID	600451
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. These enzymes catalyze the conversion of aldehydes and ketones to their corresponding alcohols by utilizing NADH and/or NADPH as cofactors. The enzymes display overlapping but distinct substrate specificity. This enzyme catalyzes the bioreduction of chlordecone, a toxic organochlorine pesticide, to chlordecone alcohol in liver. This gene shares high sequence identity with three other gene members and is clustered with those three genes at chromosome 10p15-p14. [provided by RefSeq]
Other Designations	3 alpha-hydroxysteroid dehydrogenase/dihydrodiol dehydrogenase 4[OTTHUMP00000018997]aldo-keto reductase family 1, member C4[chlordecone reductase]dihydrodiol dehydrogenase 4[dihydrodiol dehydrogenase isozyme DD4]type I 3-alpha-hydroxysteroid dehydrogenase

Pathway

- [Androgen and estrogen metabolism](#)
- [C21-Steroid hormone metabolism](#)
- [Metabolic pathways](#)
- [Metabolism of xenobiotics by cytochrome P450](#)
- [Primary bile acid biosynthesis](#)

Disease

- [Alzheimer Disease](#)
- [Atherosclerosis](#)
- [Breast cancer](#)

- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Obesity](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)