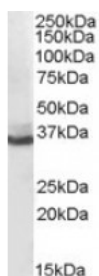


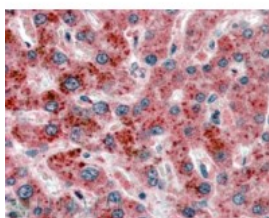


AKR1C4 Antibody

CATALOG NUMBER: 45-236



Western Blot (0.1ug/ml) staining of human liver lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Immunohistochemistry (2.5ug/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	ELISA, IHC-P, WB
APPLICATIONS:	ELISA: antibody detection limit dilution 1:4000. Western Blot: Approx. 35kDa band observed in Human Liver lysates (calculated MW of 37.1kDa according to NP_001809.2). Recommended concentration: 0.1-0.3ug/ml. Immunohistochemistry: In paraffin embedded Human Liver shows staining of distinct structures in the cytoplasm of hepatocytes. Recommended concentration, 2-4ug/ml.
POSITIVE CONTROL:	1) Cat. No. 1304 - Human Liver Tissue Lysate
SPECIFICITY:	This antibody may cross-react with AKR1C1
IMMUNOGEN:	AKR1C4 antibody was raised against a 13 amino acid synthetic peptide near the N-Terminus of AKR1C4.
HOST SPECIES:	Goat

Properties

PURIFICATION:	AKR1C4 antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
PHYSICAL STATE:	Liquid
BUFFER:	AKR1C4 antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.
CONCENTRATION:	500 ug/mL
STORAGE CONDITIONS:	Aliquot and store at -20°C. Minimize freezing and thawing.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	AKR1C4, aldo-keto reductase family 1, member C4, HGNC:387, 3-alpha-HSD, C11, CDR, CHDR, DD4, HAKRA, MGC22581, 3-alpha hydroxysteroid dehydrogenase, type I, 3 alpha-hydroxysteroid dehydrogenase/dihydrodiol dehydrogenase 4, 3-alpha-hydroxysteroid dehydrogenase variant, chlordecone reductase, dihydrodiol dehydrogenase 4, dihydrodiol dehydrogenase isozyme DD4, type I 3-alpha-
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hydroxysteroid dehydrogenase

ACCESSION NO.: NP_001809.2

PROTEIN GI NO.: 24497585

OFFICIAL SYMBOL: AKR1C4

GENE ID: 1109

Background

REFERENCES: 1) Lord SJ, Mack WJ, Van Den Berg D, Pike MC, Ingles SA, Haiman CA, Wang W, Parisky YR, Hodge HN, Ursin G. Polymorphisms in genes involved in estrogen and progesterone metabolism and mammographic density changes in women randomized to postmenopausal hormone therapy: results from a pilot study. Breast Cancer Res. 2005;7(3):R336-44. Epub 2005 Feb 23.

FOR RESEARCH USE ONLY

December 13, 2016