

AKR1C3 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 252019

Unit: 0.1 mg

Description:

Aldo-keto reductase family 1 member C3 (AKR1C3) catalyzes the conversion of aldehydes and ketones to alcohols. AKR1C3 catalyzes the reduction of prostaglandin (PG) D₂, PGH₂ and phenanthrenequinone (PQ) and the oxidation of 9- α ,11- β -PGF₂ to PGD₂. AKR1C3 functions as a bi-directional 3- α -, 17- β - and 20- α HSD. AKR1C3 can interconvert active androgens, estrogens and progestins with their cognate inactive metabolites. AKR1C3 preferentially transforms androstenedione (4-dione) to testosterone. AKR1C3 is strongly inhibited by nonsteroidal anti-inflammatory drugs (NSAID) including flufenamic acid and indomethacin. AKR1C3 is also inhibited by the flavinoid rutin, and by selective serotonin inhibitors (SSRIs).

Isotype: Rabbit Ig

Applications: E, WB, IF

Species Reactivity: H

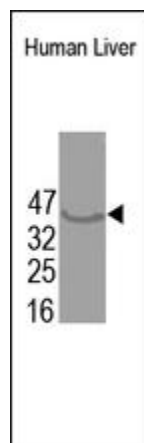
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4, 0.5% BSA with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: Aldo-keto reductase family 1 member C3; Trans-1,2-dihydrobenzene-1,2-diol dehydrogenase; 3- α -hydroxysteroid dehydrogenase type 2; 3- α -HSD type 2; 3- α -HSD type II, brain; Testosterone 17- β -dehydrogenase 5; 17- β -hydroxysteroid dehydrogenase type 5; 17- β -HSD 5; Prostaglandin F synthase; PGFS; Indanol dehydrogenase; Dihydrodiol dehydrogenase type I; Dihydrodiol dehydrogenase 3; DD-3; DD3; Chlordecone reductase homolog HAKRb; HA1753; AKR1C3; DDH1; HSD17B5; KIA0119; PGFS

Accession No.: P42330

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human AKR1C3.

Application Notes: E: 1:10,000-1:30,000; WB: 1:100-1:1,000; IF: 1:50-1:200



The AKR1C3 Antibody is used in Western blot to detect AKR1C3 in human fetal liver lysates.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.