

32-6043: Mouse Anti Human Aldo-Keto Reductase Family 1 Member C1(Clone: PAT6D10AT.)

Clonality :	Monoclonal
Clone Name :	PAT6D10AT.
Application :	ELISA, WB
Gene :	AKR1C1
Gene ID :	1645
Uniprot ID :	Q04828
Format :	Purified
Alternative Name :	DDH1, DDH, HAKRC, 20-alpha-HSD, DD1/DD2, HBAB, C9, DD1, H-37, MBAB, MGC8954, 2-ALPHA-HSD, AKR1C1, Aldo-keto reductase family 1 member C1, 20-alpha-hydroxysteroid dehydrogenase, Trans-1,2-dihydrobenzene-1,2-diol dehydrogenase, Indanol dehydrogenase, D
Isotype :	Mouse IgG1 heavy chain and k light chain.
Immunogen Information :	Anti-human AKR1C1 mAb, is derived from hybridization of mouse FO myeloma cells with spleen cells from BALB/c mice immunized with recombinant human AKR1C1 amino acids 1-323 purified from E. coli.

Description

AKR1C1 transfers progesterone to its inactive state or in other words catalyzes the reaction of 20-alpha-hydroxy progesterone (20-alpha-OHP). In the liver and intestine. AKR1C1 transfers bile and monitors the intrahepatic bile acid concentration though it has a low bile-binding ability. AKR1C1 participates in myelin formation. AKR1C1 is part of the aldo/keto reductase superfamily, which has over 40 known enzymes which catalyze the conversion of aldehydes and ketones to their corresponding alcohols by utilizing NADH and/or NADPH as cofactors thus display overlapping but distinct substrate specificity.

Product Info

Amount :	20 µg
Purification :	AKR1C1 antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
Content :	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
Storage condition :	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

Application Note

AKR1C1 antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:1000. Recommended starting dilution is 1:1000.