

AKR1C1 monoclonal antibody

Catalog: MB9044

Host: Mouse

Reactivity: Human, Mouse

BackGround:

Human liver contains isoforms of dihydrodiol dehydrogenase (DD1, DD2, DD3 and DD4), which belong to the aldo-oxo reductase / aldo-keto reductase (AKR) super-family, have 20 α - or 3 α -hydroxysteroid dehydrogenase AKD1C3 and 3 α -HSD are alternate designations for human DD3 (which is referred to as AKR1C18 in rodents), while DD4 is also designated as AKR1C1, DDH or DDH1, while DD2 also can be designated AKR1C2, dDD, BABP or DDH2. AKR1C4, CD, CHDR or AKR1C6 (in rodents). DD1 and DD2 are 20 α -HSDs, DD3 and DD4 are the 3 α -HSDs. The 20 α -HSD catalyzes the reaction of progesterone to the inactive form 20 α -hydroxyprogesterone. The 3 α -HSD is a cytosolic, monomeric, NADPH-depen DD1 and DD2 are ubiquitously expressed, whereas DD4 mRNA is restricted to the liver. DD3 is a unique enzyme that can specifically catalyze the dehydrogenation of trans-benzene dihydrodiol and trans-naphthalenedihydrodiol.

Product:

Mouse IgG2a, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

37 kDa

Swiss-Prot:

Q04828(Human)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:2,000-1:10,000

ICC:1:50-1:200

IHC:1:50-1:200

FC:1:50-1:100

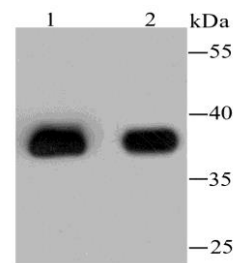
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

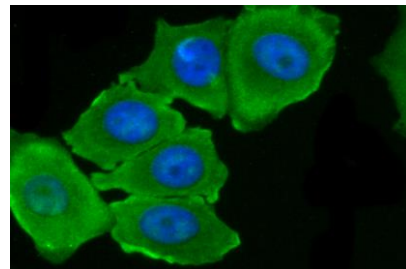
Specificity:

AKR1C1 monoclonal antibody detects endogenous levels of AKR1C1 protein.

DATA:



Western blot analysis of AKR1C1 on different lysates using anti-AKR1C1 antibody at 1/2,000 dilution. Positive control: Lane1: HepG2 Lane2: Human liver tissue



ICC staining AKR1C1 (green) in MCF-7 cells. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Note:

For research use only, not for use in diagnostic procedure.

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