German Research Products - GRP GmbH

In der Stockwiese 26

D-85410 Haag/Amper, Germany

Email: info@grp-ak.de Phone: +49 (0)8167 6335

## **Product Datasheet**

## **AKR1C1** antibody GRP39

**Description** 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 reaction

of progesterone to the inactive form

20-alpha-hydroxy-progesterone. 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]

Species/Host Rabbit

Reactivity Human, Mouse

**Conjugation** Unconjugated

Tested Applications ICC, IF, IHC-P, WB

Immunogen Recombinant protein encompassing a sequence within the cente

region of human AKR1C1. The exact sequence is proprietary.

Form/Appearance Liquid: 1XPBS, 20% Glycerol (pH7). 0.025% ProClin 300 was

added as a preservative.

Concentration 1.02 mg/ml

Storage Store as concentrated solution. Centrifuge briefly prior to opening

vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid

multiple freeze-thaw cycles.

**Note** For research use only.

Isotype IgG

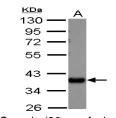
**Clonality** Polyclonal

**Purity** Purified by antigen-affinity chromatography.

Uniprot ID Q04828

Entrez 1645

Dilution Range WB: 1:500-1:3000,ICC: 1:100-1:1000,IHC-P: 1:100-1:1000



Sample (30 ug of whole cell lysate) A: A549 10% SDS

PAGE

GRP491 diluted at 1:1000

KDa 130 — A 100 — 70 — 55 — 40 —

AKR1C1 antibody detects
AKR1C1

protein by western blot analysis.A. 50 ?g mouse liver lysate/extract10% SDS-PAGEAKR1C1 antibody

(GRP491) dilution: 1:1000

HRP-conjugated anti-rabbit

IgG antibody was used to detect

the primary antibody.