

Product datasheet

Anti-AKR1C3 antibody ab89830

2 Images

Overview

Product name	Anti-AKR1C3 antibody
Description	Mouse polyclonal to AKR1C3
Host species	Mouse
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Full length human AKR1C3 protein.
Positive control	Human liver tissue lysate. Cell lysate from transfected 293T cells.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: None Constituents: 1 x PBS, pH 7.2
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab89830** in the following tested applications.

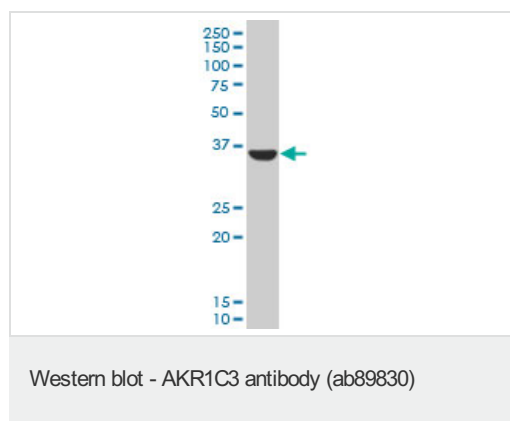
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 36 kDa.

Target

Function	Catalyzes the conversion of aldehydes and ketones to alcohols. Catalyzes the reduction of prostaglandin (PG) D2, PGH2 and phenanthrenequinone (PQ) and the oxidation of 9-alpha,11-beta-PGF2 to PGD2. Functions as a bi-directional 3-alpha-, 17-beta- and 20-alpha HSD. Can interconvert active androgens, estrogens and progestins with their cognate inactive metabolites. Preferentially transforms androstenedione (4-dione) to testosterone.
Tissue specificity	Expressed in many tissues including adrenal gland, brain, kidney, liver, lung, mammary gland, placenta, small intestine, colon, spleen, prostate and testis. The dominant HSD in prostate and mammary gland. In the prostate, higher levels in epithelial cells than in stromal cells. In the brain, expressed in medulla, spinal cord, frontotemporal lobes, thalamus, subthalamic nuclei and amygdala. Weaker expression in the hippocampus, substantia nigra and caudate.
Sequence similarities	Belongs to the aldo/keto reductase family.
Cellular localization	Cytoplasm.

Images

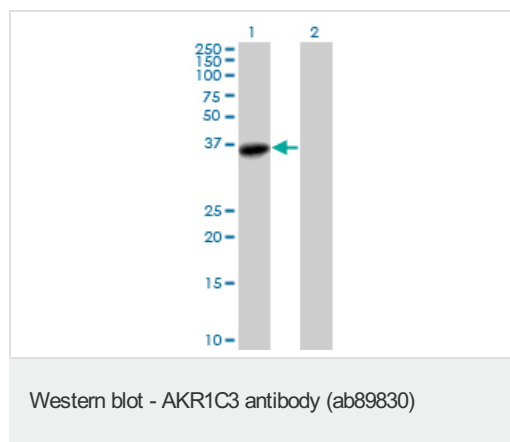


Anti-AKR1C3 antibody (ab89830) at 1 µg/ml +
human liver tissue lysate at 50 µg

Developed using the ECL technique.

Predicted band size: 36 kDa

Observed band size: 36 kDa



All lanes : Anti-AKR1C3 antibody (ab89830)
at 1 µg/ml

Lane 1 : cell lysate from AKR1C3 transfected
293T cells

Lane 2 : cell lysate from non transfected 293T
cells

Lysates/proteins at 25 µg per lane.

Developed using the ECL technique.

Predicted band size: 36 kDa

Observed band size: 36 kDa

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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