abcam

Product datasheet

Recombinant Human AKR1A1 protein ab95472

1 图像

描述

产品名称 重组人AKR1A1蛋白

纯**度** > 90 % SDS-PAGE.

ab95472 was purified using conventional chromatography techniques.

表达系统 Escherichia coli

蛋白长度 Full length protein

无动物成分 No

性质 Recombinant

种属 Human

序列 MAASCVLLHT GQKMPLIGLG TWKSEPGQVK

AAVKYALSVG YRHIDCAAIY GNEPEIGEAL KEDVGPGKAV PREELFVTSK LWNTKHHPED VEPALRKTLA DLQLEYLDLY LMHWPYAFER GDNPFPKNAD GTICYDSTHY KETWKALEAL VAKGLVQALG LSNFNSRQID DILSVASVRP AVLQVECHPY LAQNELIAHC QARGLEVTAY SPLGSSDRAW RDPDEPVLLE EPVVLALAEK YGRSPAQILL RWQVQRKVIC IPKSITPSRI LQNIKVFDFT FSPEEMKQLN ALNKNWRYIV

PMLTVDGKRV PRDAGHPLYP FNDPY

技术指标

Our Abpromise guarantee covers the use of ab95472 in the following tested applications.

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

应用 SDS-PAGE

Mass Spectrometry

形式 Liquid

制备和贮存

稳定性和存储 Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw

cycles.

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常规信息

功能	Catalyzes the NADPH-dependent reduction of a variety	v of aromatic and aliphatic aldehydes to
2) NC		y or aronnalio and anphalic alacinyacs to

their corresponding alcohols. Catalyzes the reduction of mevaldate to mevalonic acid and of glyceraldehyde to glycerol. Has broad substrate specificity. In vitro substrates include succinic semialdehyde, 4-nitrobenzaldehyde, 1,2-naphthoquinone, methylglyoxal, and D-glucuronic acid. Plays a role in the activation of procarcinogens, such as polycyclic aromatic hydrocarbon transdihydrodiols, and in the metabolism of various xenobiotics and drugs, including the anthracyclines

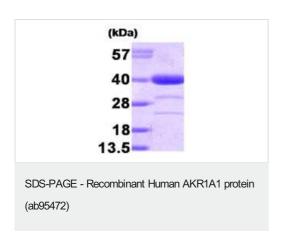
doxorubicin (DOX) and daunorubicin (DAUN).

组织**特异性** Widely expressed. Highly expressed in kidney, salivary gland and liver. Detected in trachea,

stomach, brain, lung, prostate, placenta, mammary gland, small intestine and lung.

序列相似性 Belongs to the aldo/keto reductase family.

图片



15% SDS-PAGE analysis of 3µg ab95472.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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