醛糖还原酶相关蛋白质抗体

产品货号： mlR6274

英文名称： AKR1B10

中文名称： 醛糖还原酶相关蛋白质抗体

别　　名： Aldose reductase like; Aldose reductase related protein; ARL 1; hARP; SI reductase; Small intestine reductase; AK1BA_HUMAN; AKR1B10; AKR1B11; AKR1B12; Aldo keto reductase family 1 member B10; aldo keto reductase family 1 member B11; Aldo-keto reductase family 1 member B10; aldose reductase like 1; aldose reductase like peptide; Aldose reductase-like; Aldose reductase-related protein; ALDRLn; ARL-1; ARL1; ARP; hARP; HIS; HSI; SI reductase; Small intestine reductase.

研究领域： 肿瘤　信号转导　肿瘤细胞生物标志物

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Rabbit,

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:100-500 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分 子 量： 35kDa

细胞定位： 细胞浆 分泌型蛋白

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human AKR1B10:8-110/316

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PubMed： PubMed

产品介绍 background:

AKR1B10 is also known as aldose reductase-like-1 (ARL-1), small intestine reductase (SI reductase) or aldose reductase-related protein (ARP or hARP). AKR1B10 is found in many tissues but is predominantly expressed in small intestine, colon and adrenal gland. AKR1B10 is an efficient reductase for aliphatic and aromatic aldehydes. It plays a role in steroid metabolism as well as detoxification of aldehydes in digested food, and may be involved in the retinal-retinoic acid signaling pathway. AKR1B10 is prominently overexpressed in non-small cell lung carcinoma and adenocarcinoma. Cigarette smoking is an independent variable responsible for this overexpression. AKR1B10 may play a role regulating cell proliferation and cellular response to carbonyl stress.

Function:

Acts as all-trans-retinaldehyde reductase. Can efficiently reduce aliphatic and aromatic aldehydes, and is less active on hexoses (in vitro). May be responsible for detoxification of reactive aldehydes in the digested food before the nutrients are passed on to other organs.

Subcellular Location:

Lysosome. Secreted. Note=Secreted through a lysosome-mediated non-classical pathway.

Tissue Specificity:

Found in many tissues. Highly expressed in small intestine, colon and adrenal gland.

Similarity:

Belongs to the aldo/keto reductase family.

SWISS:

O60218

Gene ID:

57016

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

产品图片 ：