

**bs-6274R****[ Primary Antibody ]****AKR1B10 Rabbit pAb****Bioss**  
**ANTIBODIES**

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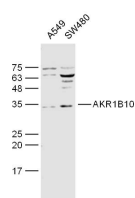
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**— DATASHEET —**

<p><b>Host:</b> Rabbit</p> <p><b>Clonality:</b> Polyclonal</p> <p><b>GeneID:</b> 57016</p> <p><b>Target:</b> AKR1B10</p> <p><b>Immunogen:</b> KLH conjugated synthetic peptide derived from human AKR1B10: 8-110/316.</p> <p><b>Purification:</b> affinity purified by Protein A</p> <p><b>Concentration:</b> 1mg/ml</p> <p><b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.</p> <p><b>Background:</b> 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.</p>	<p><b>Applications:</b> WB (1:500-2000)</p> <p><b>Reactivity:</b> Human (predicted: Mouse, Rat, Rabbit)</p> <p><b>Predicted MW.:</b> 35 kDa</p> <p><b>Subcellular Location:</b> Secreted ,Cytoplasm</p>
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**— VALIDATION IMAGES —**

Sample: A549 Cell Lysate at 40 ug SW480 Cell  
Lysate at 40 ug Primary: Anti- AKR1B10  
(bs-6274R) at 1/300 dilution Secondary:  
IRDye800CW Goat Anti-Rabbit IgG at 1/20000  
dilution Predicted band size: 35 kD Observed  
band size: 35 kD