

## AKR1B1 RABBIT PAB

**Cat.#:** S220044

**Product Name:** Anti-AKR1B1 Rabbit Polyclonal Antibody

**Synonyms:** AR; ADR; ALR2; ALDR1

**UNIPROT ID:** P15121 (Gene Accession - NP\_001619 )

**Background:** This gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. This member catalyzes the reduction of a number of aldehydes, including the aldehyde form of glucose, and is thereby implicated in the development of diabetic complications by catalyzing the reduction of glucose to sorbitol. Multiple pseudogenes have been identified for this gene. The nomenclature system used by the HUGO Gene Nomenclature Committee to define human aldo-keto reductase family members is known to differ from that used by the Mouse Genome Informatics database.

**Immunogen:** Synthetic peptide of human AKR1B1

**Applications:** ELISA, WB, IHC

**Recommended Dilutions:** IHC: 50-200;WB: 500-2000;ELISA: 2000-5000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

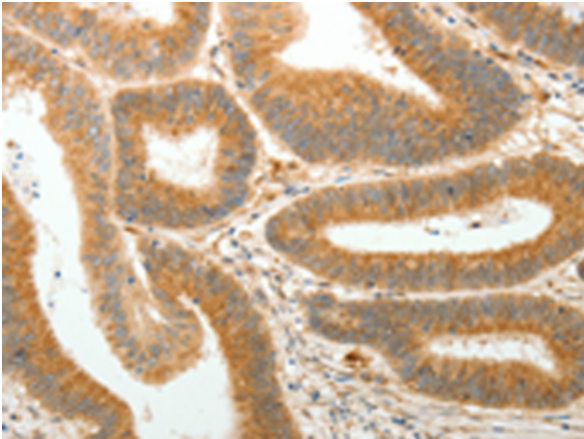
**Purification:** Antigen affinity purification

**Species Reactivity:** Human

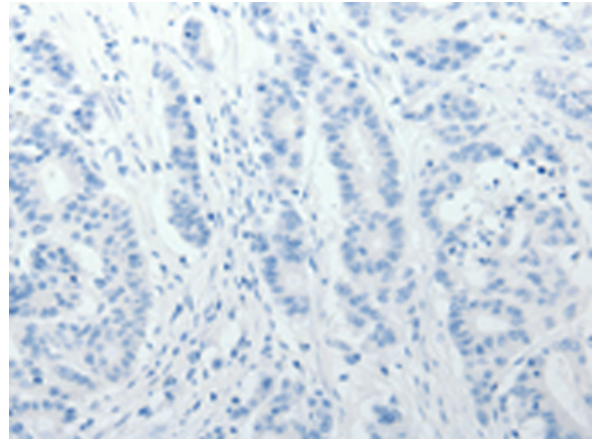
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Metabolism

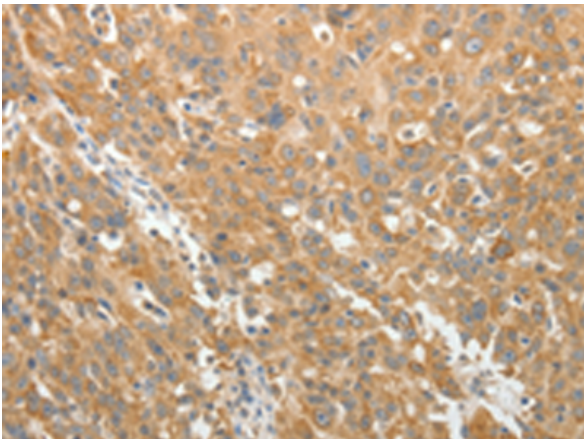
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



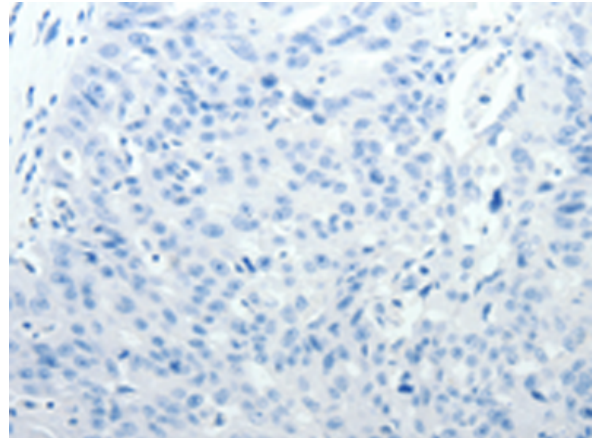
Immunohistochemistry analysis of paraffin embedded Human colon cancer tissue using 220044(AKR1B1 Antibody) at a dilution of 1/30(Cytoplasm ).



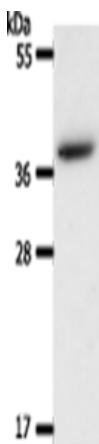
In comparison with the IHC on the left, the same paraffin-embedded Human colon cancer tissue is first treated with the synthetic peptide and then with 220044(Anti-AKR1B1 Antibody) at dilution 1/30.



The image on the left is immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using 220044(Anti-AKR1B1 Antibody) at a dilution of 1/30.



In comparison with the IHC on the left, the same paraffin-embedded Human ovarian cancer tissue is first treated with synthetic peptide and then with D260849(Anti-AKR1B1 Antibody) at dilution 1/30.



Gel: 10%SDS-PAGE, Lysate: 27 µg;  
Lane: HeLa cells;  
Primary antibody: 220044(AKR1B1 Antibody) at dilution 1/550;  
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution;  
Exposure time: 1 second



# Product Description

Pioneering GTPase and Oncogene Product Development since 2010

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