

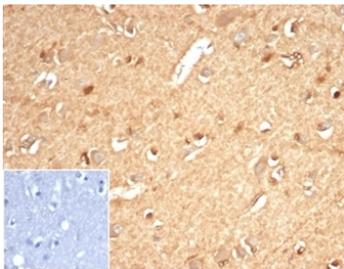
## Recombinant Aldose reductase Antibody / AKR1B1 [clone AKR1B1/7010R] (V9399)

Catalog No.	Formulation	Size
V9399-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9399-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9399SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

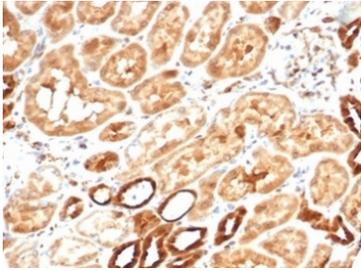
Recombinant **RABBIT MONOCLONAL**

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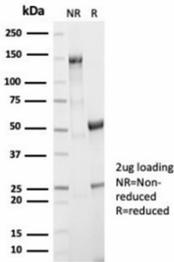
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Recombinant Rabbit Monoclonal
<b>Isotype</b>	Rabbit IgG, kappa
<b>Clone Name</b>	AKR1B1/7010R
<b>Purity</b>	Protein A/G affinity
<b>UniProt</b>	P15121
<b>Localization</b>	Cytoplasm
<b>Applications</b>	Western Blot : 2-4ug/ml Immunohistochemistry (FFPE) : 2-4ug/ml
<b>Limitations</b>	This recombinant Aldose reductase antibody is available for research use only.



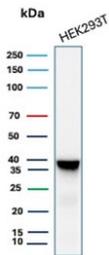
IHC staining of FFPE human brain tissue with recombinant Aldose reductase antibody (clone AKR1B1/7010R) at 2ug/ml in PBS for 30 min RT. Negative control inset: PBS used instead of primary antibody to control for secondary Ab binding. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human kidney tissue with recombinant Aldose reductase antibody (clone AKR1B1/7009R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant Aldose reductase antibody (AKR1B1/7010R) as confirmation of integrity and purity.



Western blot testing of human 293T cell lysate with recombinant Aldose reductase antibody (clone AKR1B1/7010R). Predicted molecular weight ~36 kDa.

## Description

AKR1B1, also designated as aldose reductase, is a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. This protein 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.

## Application Notes

Optimal dilution of the recombinant Aldose reductase antibody should be determined by the researcher.

## Immunogen

Recombinant human full-length AKR1B1 protein was used as the immunogen for the recombinant Aldose reductase antibody.

## Storage

Aliquot the recombinant Aldose reductase antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

