



## International Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB05538 - Goat Anti-Aldehyde Reductase Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** aldehyde reductase, AKR1A1, aldo-keto reductase family 1, member A1 (aldehyde reductase), ALDR1, ALR, MGC12529, MGC1380, alcohol dehydrogenase, aldo-keto reductase family 1, member A1, DD3, OTTHUMP00000009240, dihydrodiol dehydrogenase 3

**Official Symbol:** AKR1A1

**Accession Number(s):** NP\_006057.1; NP\_697021.1

**Human GeneID(s):** [10327](#)

**Non-Human GeneID(s):** 58810 (mouse), 78959 (rat)

**Important Comments:** Both reported variants (NP\_006057.1 and NP\_697021.1) represent identical protein

### Immunogen

Peptide with sequence C-DAGHPLYPFNDPY, from the C Terminus of the protein sequence according to NP\_006057.1; NP\_697021.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:16000.

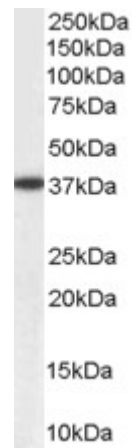
**Western blot:** Approx 37kDa band observed in Human Liver lysates (calculated MW of 36.6kDa according to NP\_006057.1 and NP\_697021.1). Recommended concentration: 0.1-0.3µg/ml. Primary incubation 1 hour at room temperature.

**IHC:** Paraffin embedded Human Kidney. Recommended concentration: 5µg/ml.

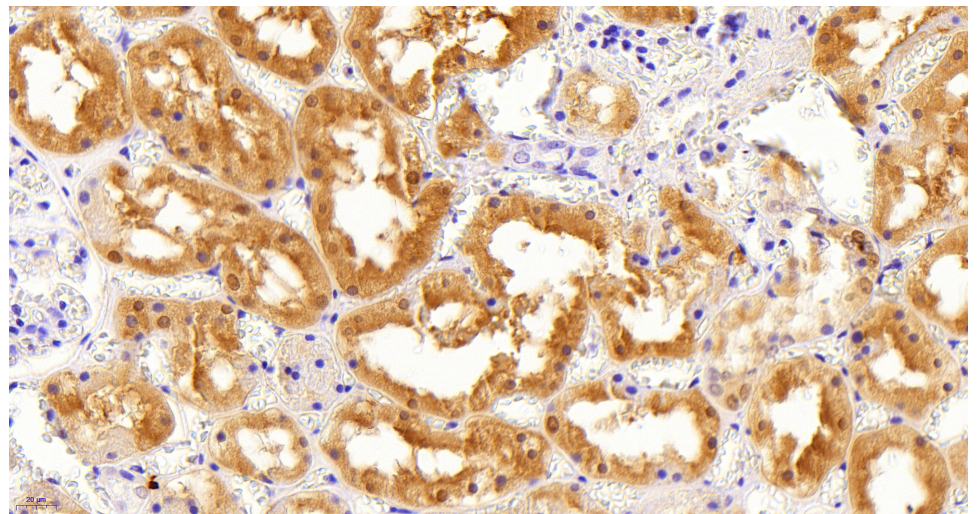
### Species Reactivity

**Tested:** Human

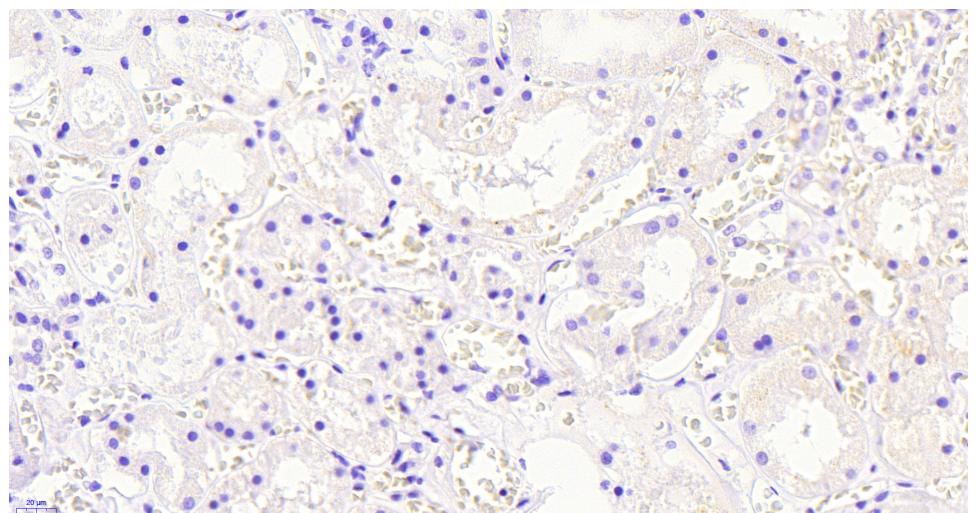
**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Pig, Cow



EB05538 (0.1µg/ml) staining of Human Liver lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour.  
Detected by chemiluminescence.



EB05538 (5µg/ml) staining of paraffin embedded Human Kidney. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB05538 Negative Control showing staining of paraffin embedded Human Kidney, with no primary antibody.