

## UK Office

### Everest Biotech Ltd

Cherwell Innovation Centre  
77 Heyford Park  
Upper Heyford  
Oxfordshire  
OX25 5HD  
UK

Enquiries:

[info@everestbiotech.com](mailto:info@everestbiotech.com)

Sales:

[sales@everestbiotech.com](mailto:sales@everestbiotech.com)

Tech support:

[support@everestbiotech.com](mailto:support@everestbiotech.com)

Tel: +44 (0)1869 238326

[www.everestbiotech.com](http://www.everestbiotech.com)

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

## EB07240 - Goat Anti-AKR1C4 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** AKR1C4, aldo-keto reductase family 1, member C4, HGNC:387, 3-alpha-HSD, C11, CDR, CHDR, DD4, HAKRA, MGC22581, 3-alpha hydroxysteroid dehydrogenase, type I, 3 alpha-hydroxysteroid dehydrogenase/dihydrodiol dehydrogenase 4, 3-alpha-hydroxysteroid dehydrogenase variant, aldo-keto reductase family 1, member C4, chlordecone reductase, dihydrodiol dehydrogenase 4, dihydrodiol dehydrogenase isozyme DD4, type I 3-alpha-hydroxysteroid dehydrogenase

**Official Symbol:** AKR1C4

**Accession Number(s):** NP\_001809.2

**Human GeneID(s):** [1109](#)

**Important Comments:** This antibody may cross-react with AKR1C1

### Immunogen

Peptide with sequence DPKYQRVELNDGH-C, from the N Terminus of the protein sequence according to NP\_001809.2.

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 1:4000.

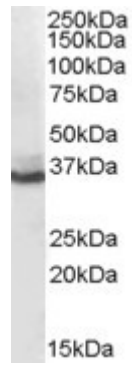
**Western blot:** Approx. 35kDa band observed in Human Liver lysates (calculated MW of 37.1kDa according to NP\_001809.2). Recommended concentration: 0.1-0.3µg/ml.

**IHC:** In paraffin embedded Human Liver shows staining of distinct structures in the cytoplasm of hepatocytes. Recommended concentration, 2-4µg/ml.

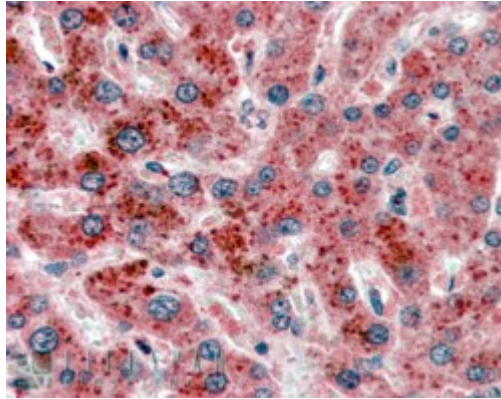
### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human



EB07240 (0.1 $\mu$ g/ml) staining of human liver lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB07240 (2.5 $\mu$ g/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.