

## 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.**

## EB10995 - Goat Anti-IDH3A Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** IDH3A, isocitrate dehydrogenase 3 (NAD+) alpha, H-IDH alpha, NAD(+)-specific ICDH subunit alpha, NAD(H)-specific isocitrate dehydrogenase alpha subunit, NAD+-specific ICDH, isocitrate dehydrogenase (NAD+) alpha chain, isocitrate dehydrogenase [NAD] subunit alpha, mitochondrial, isocitric dehydrogenase subunit alpha

**Official Symbol:** IDH3A

**Accession Number(s):** NP\_005521.1

**Human GeneID(s):** [3419](#)

**Non-Human GeneID(s):** 67834 (mouse), 114096 (rat)

### Immunogen

Peptide with sequence DFTEEICRRVKDLD, from the C Terminus of the protein sequence according to NP\_005521.1.

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 1:32000.

**Western blot:** Approx 37kDa band observed in lysates of Human Lymph Nodes, and of cell line DAUDI, and 38kDa in Human, Mouse and Rat Spleen lysates and in Pig Spleen and Skeletal Muscle lysates (calculated MW of 39.6kDa according to NP\_005521.1).

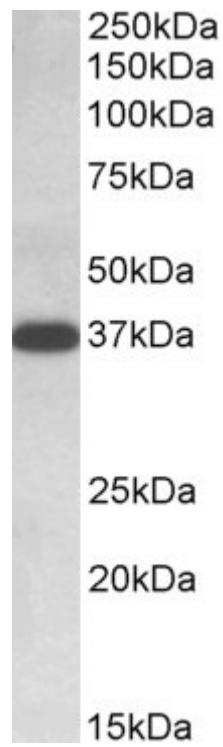
Recommended concentration: 0.1-0.3µg/ml. Primary incubation was 1 hour.

**IHC:** Paraffin embedded Human Thymus. Recommended concentration: 3.75µg/ml.

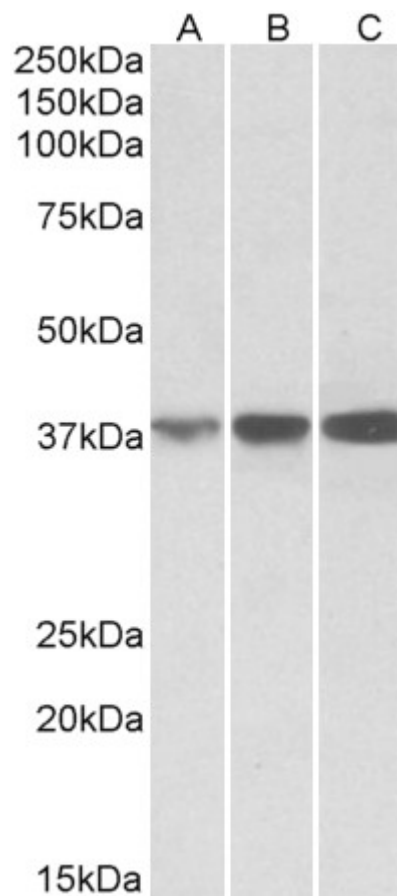
### Species Reactivity

**Tested:** Human, Mouse, Rat, Pig

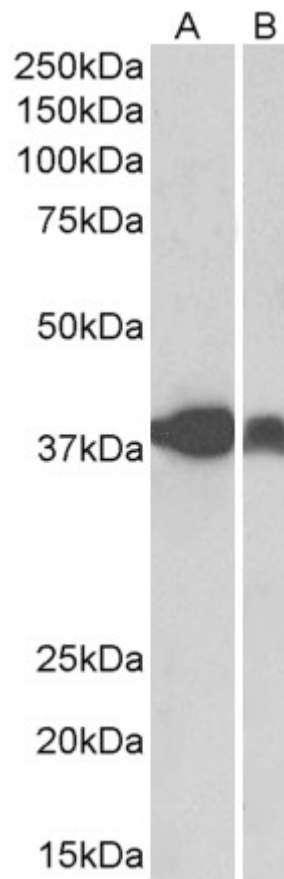
**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Pig, Cow



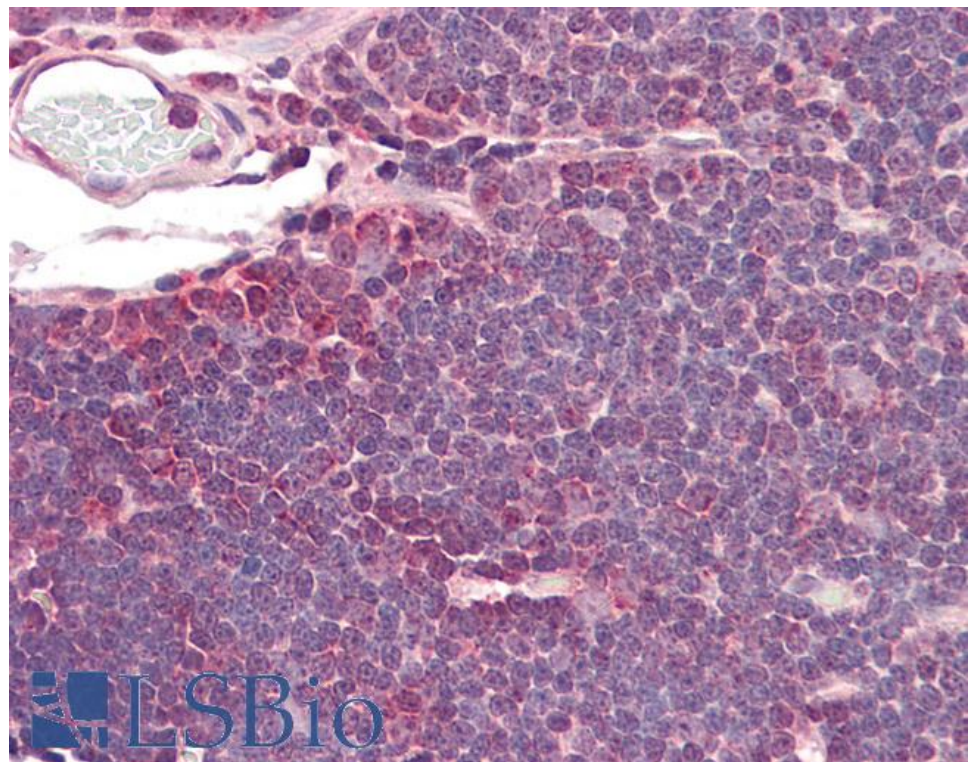
EB10995 (0.1µg/ml) staining of Human Lymph Nodes lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB10995 (0.1µg/ml) staining of Human (A), Mouse (B) and Rat (C) Spleen lysates (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB10995 (0.3 $\mu$ g/ml) staining of Pig Spleen (A) and Pig Skeletal Muscle (B) lysates (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



EB10995 (3.75 $\mu$ g/ml) staining of paraffin embedded Human Thymus. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.