

## 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.**

## EB10446 - Goat Anti-DCTN3 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** DCTN22, DCTN-22, dynactin 3, dynactin 3 (p22), dynactin 3, isoform 1, dynactin light chain, MGC111190, DCTN3

**Official Symbol:** DCTN3

**Accession Number(s):** NP\_009165.1; NP\_077324.1

**Human GeneID(s):** [11258](#)

**Non-Human GeneID(s):** 53598 (mouse), 362504 (rat)

**Important Comments:** This antibody is expected to recognize both reported isoforms (NP\_009165.1; NP\_077324.1).

### Immunogen

Peptide with sequence C-QVALGNISSKRE, from the internal region of the protein sequence according to NP\_009165.1; NP\_077324.1.

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 20kDa band observed in Human Liver lysates, and approx. 18kDa in Rat Kidney lysates and in preliminary testing of Mouse Kidney lysate (calculated MW of 19.5kDa according to Human NP\_077324.1 and 21.1kDa according to Rat NP\_001102129.1. Recommended concentration: 0.1-0.3µg/ml. Primary incubation 1 hour at room temperature.

**IHC:** Paraffin embedded Human Kidney. Recommended concentration: 6-8µg/ml.

**Flow Cytometry:** Flow cytometric analysis of K562 cells. Recommended concentration: 10ug/ml.

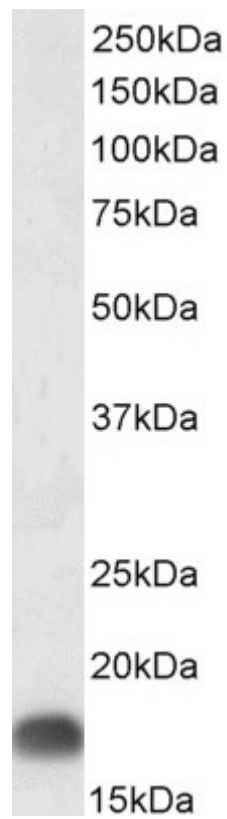
### Species Reactivity

**Tested:** Human, Rat

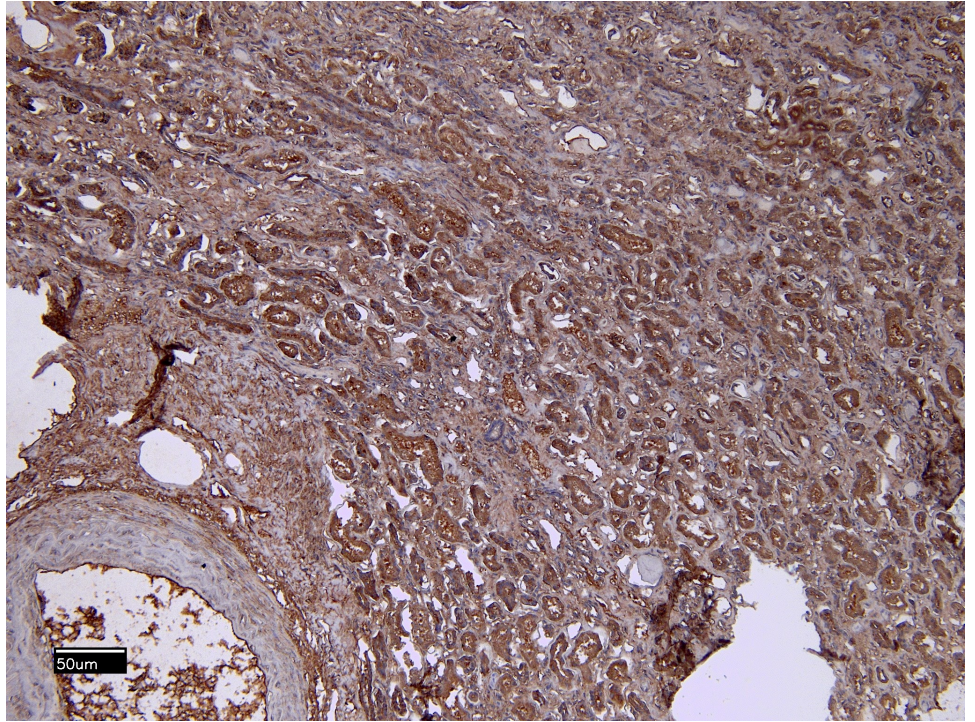
**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Cow



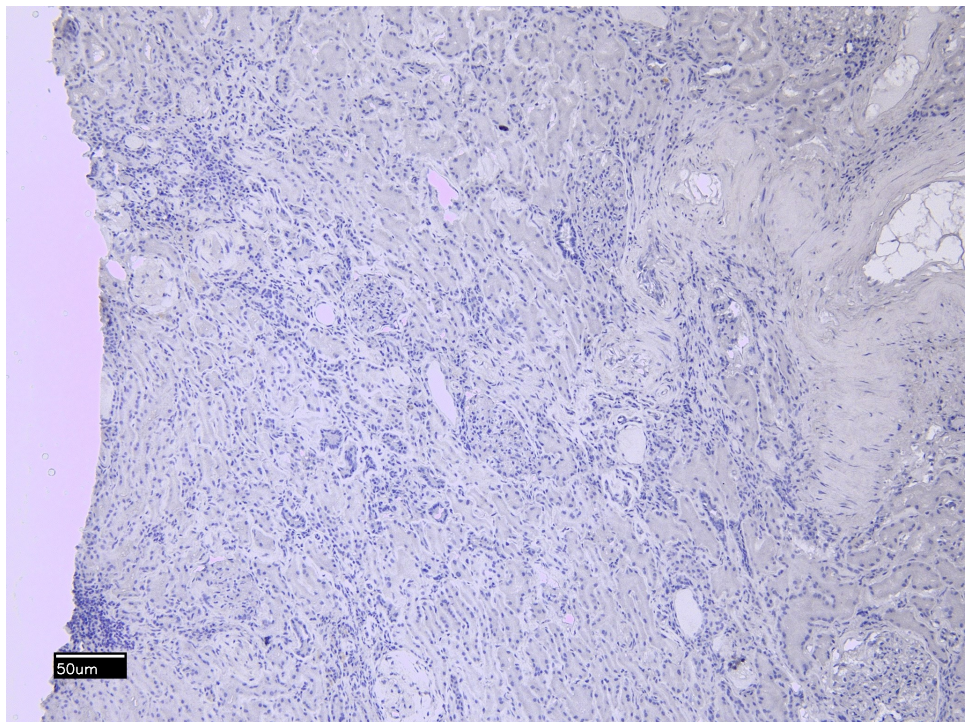
EB10446 (0.1 $\mu$ g/ml) staining of Human Liver lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescenceWS10446-4



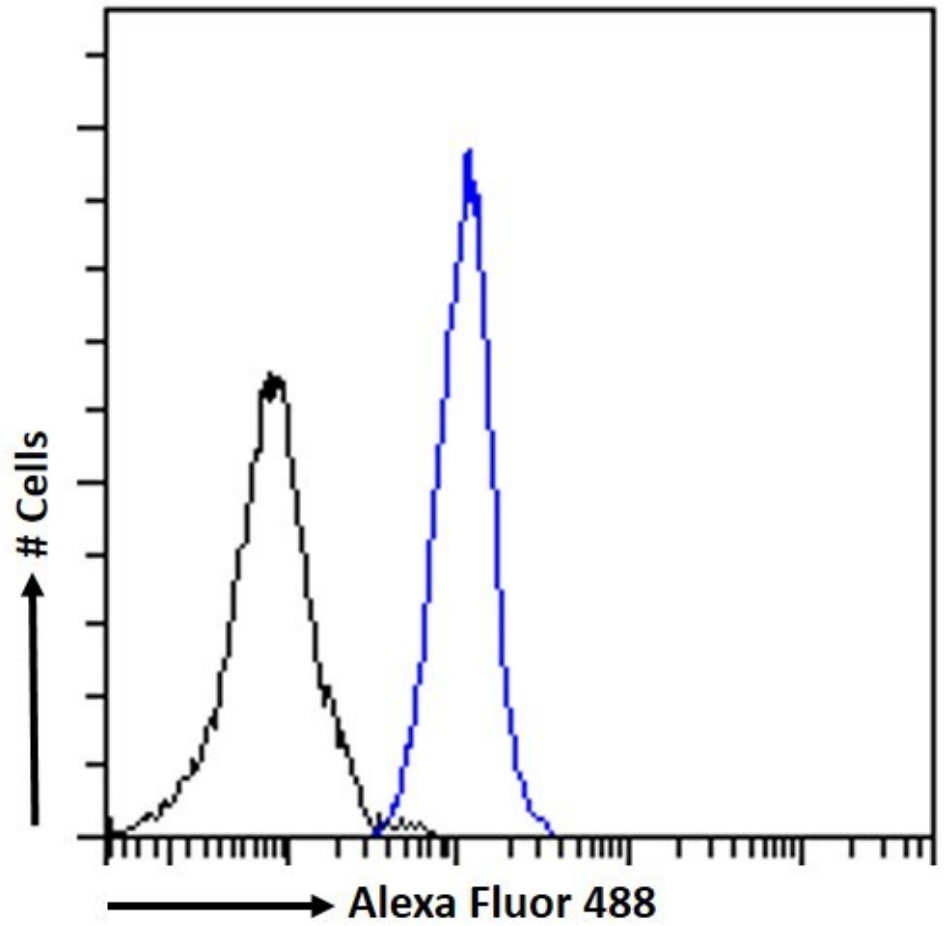
EB10446 (0.3 $\mu$ g/ml) staining of Rat Kidney lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence



EB10446 (8 $\mu$ g/ml) staining of paraffin embedded Human Kidney. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB10446 Negative Control showing staining of paraffin embedded Human Kidney, with no primary antibody.



EB10446 Flow cytometric analysis of paraformaldehyde fixed K562 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.