

#### **International Office**

#### **Everest Biotech Ltd**

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

**Customer Service:** 

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

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# EB10432 - Goat Anti-MPV17 Antibody

Size: 100µg specific antibody in 200µl



## **Target Protein**

**Principal Names:** MpV17 mitochondrial inner membrane protein, Mpv17 protein, Mpv17, human homolog of glomerulosclerosis and nephrotic syndrome, OTTHUMP00000122591,

SYM1, MPV17

Official Symbol: MPV17

Accession Number(s): NP\_002428.1

Human GeneID(s): 4358

Non-Human GenelD(s): 17527 (mouse), 360463 (rat)

## **Immunogen**

Peptide with sequence C-QRALAAHPWKVQ, from the internal region of the protein sequence according to NP\_002428.1.

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 19kDa band observed in Human Brain (Frontal Cortex) lysates (calculated MW of 19.7kDa according to NP\_002428.1). Recommended concentration: 1-3μg/ml. An additional band of unknown identity was also consistently observed at 26kDa. This band was successfully blocked by incubation with the immunizing peptide. We would appreciate any feedback from people in the field - have any such results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

**IHC:** In paraffin embedded Human Liver shows heavy textured cystoplasm staining in hepatocytes, consistent with mitochondia.. Recommended concentration, 5-10µg/ml.

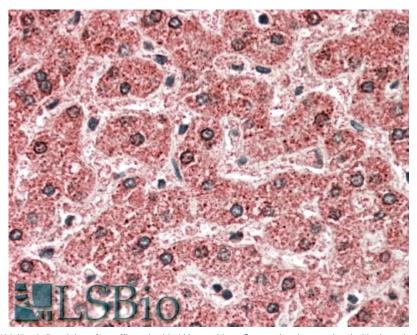
# **Species Reactivity**

Tested: Human

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

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

EB10432 (2μg/ml) staining of Human Frontal Cortex lysate (35μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB10432 ( $5\mu g/ml$ ) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.