

#### **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

Research Use Only. Not for diagnostic or therapeutic use.

# EB08429 - Goat Anti-PU.1 Antibody

Size: 100µg specific antibody in 200µl



### **Target Protein**

**Principal Names:** PU.1, SPI1, spleen focus forming virus (SFFV) proviral integration oncogene spi1, hCG\_25181, SFPI1, SPI-1, SPI-A, 31 kDa transforming protein, SPI-1

proto-oncogene, hematopoietic transcription factor PU.1

Official Symbol: SPI1

Accession Number(s): NP\_001074016.1; NP\_003111.2

Human GeneID(s): 6688

Non-Human GenelD(s): 366126 (rat)

Important Comments: This antibody is expected to recognise both reported isoforms

(NP\_001074016.1; NP\_003111.2).

## **Immunogen**

Peptide with sequence C-DLYQRQTHEYY, from the internal region of the protein sequence according to NP\_001074016.1; NP\_003111.2.

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 1:32000.

Western blot: Approx 40kDa band observed in lysates of DAUDI and K562 (calculated MW of 31.2kDa according to NP\_001074016.1 and of 31.1kDa according to NP\_003111.2). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Harendza S et al, J Biol Chem. 2000 Jun 30;275(26):19552-9.; PMID: 10867017). Recommended concentration: 0.03-0.1μg/ml. Primary incubation was 1 hour.

**IHC:** Paraffin embedded Human Spleen and Colon (lymphoid aggregate). Recommended concentration: 3.75µg/ml.

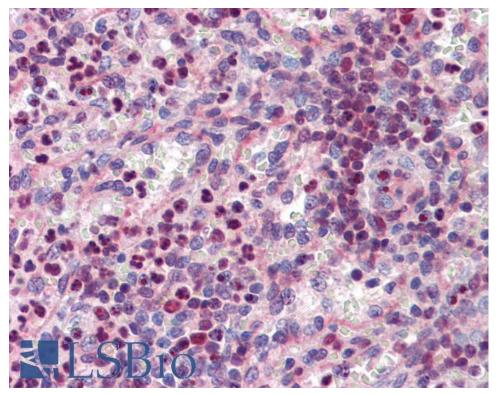
#### **Species Reactivity**

Tested: Human

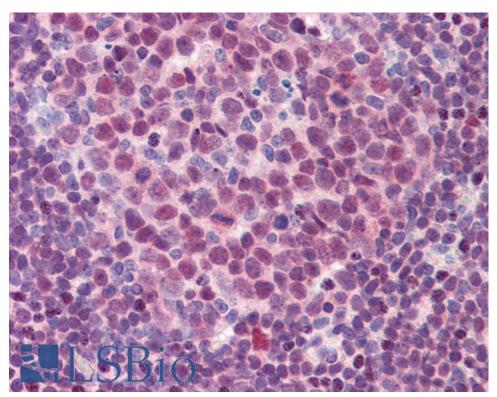
Expected from sequence similarity: Human, Rat

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

 $EB08429\ (0.03\mu g/ml)\ staining\ of\ DAUDI\ lysate\ (35\mu g\ protein\ in\ RIPA\ buffer).\ Detected\ by\ chemiluminescence.$ 



EB08429 (3.75μg/ml) staining of paraffin embedded Human Spleen. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



 $EB08429\ (3.75\mu g/ml)\ staining\ of\ paraffin\ embedded\ Human\ Colon.\ Steamed\ antigen\ retrieval\ with\ citrate\ buffer\ pH\ 6,\ AP-staining.$