

Anti-PU.1 / Spi1 Antibody [PD00-14]

HA721162



Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Human
Applications:	WB, IHC-P
Molecular Wt:	Predicted band size: 31 kDa
Clone number:	PD00-14

Description: This gene encodes an ETS-domain transcription factor that activates gene expression during myeloid and B-lymphoid cell development. The nuclear protein binds to a purine-rich sequence known as the PU-box found near the promoters of target genes, and regulates their expression in coordination with other transcription factors and cofactors. The protein can also regulate alternative splicing of target genes. Multiple transcript variants encoding different isoforms have been found for this gene.

Immunogen: Synthetic peptide within Human PU.1 aa 1-100.

Positive control: Daudi cell lysate, THP-1 cell lysate, human B-cell lymphoma tissue.

Subcellular location: Nucleus.

Database links: SwissProt: P17947 Human

Recommended Dilutions:

WB	1:1,000
IHC-P	1:1,000

Storage Buffer: PBS (pH7.4), 0.1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C long term.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders: 0086-571-88062880

Technical: 0086-571-89986345

Service mail: support@huabio.cn

 华安生物
HUABIO
www.huabio.cn

Applications: WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

Images

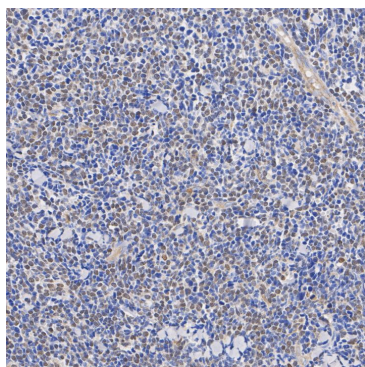


Fig1: Immunohistochemical analysis of paraffin-embedded human B-cell lymphoma tissue with Rabbit anti-PU.1 / Spi1 antibody (HA721162) at 1/1,000 dilution.

The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) (high pressure) for 2 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (HA721162) at 1/1,000 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.

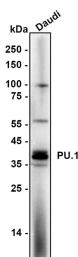


Fig2: Western blot analysis of PU.1 / Spi1 on different lysates with Rabbit anti-PU.1 / Spi1 antibody (HA721162) at 1/1,000 dilution.

Lane 1: Daudi(Human Burkitt's lymphoma cells) cell lysate

Exposure time: 77 seconds ; ECL: K1801

Blocking: 5% NFDM/TBST, 1 hour at room temperature

Primary antibody: HA721162, 1/1,000 in primary antibody dilution buffer (K1803), overnight at 4 °C

Secondary antibody: Goat anti-Rabbit IgG-HRP (HA1001), 1/50,000 in 5% NFDM/TBST, 1 hour at room temperature

Predicted band size: 31.1 kDa

Observed band size: 38 kDa

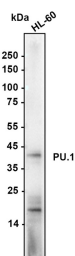


Fig3: Western blot analysis of PU.1 / Spi1 on different lysates with Rabbit anti-PU.1 / Spi1 antibody (HA721162) at 1/1,000 dilution.

Lane 1: HL-60(Human acute promyelocytic leukemia cells) cell lysate

Exposure time: 77 seconds ; ECL: K1801

Blocking: 5% NFDM/TBST, 1 hour at room temperature

Primary antibody: HA721162, 1/1,000 in primary antibody dilution buffer (K1803), overnight at 4 °C

Secondary antibody: Goat anti-Rabbit IgG-HRP (HA1001), 1/50,000 in 5% NFDM/TBST, 1 hour at room temperature

Predicted band size: 31.1 kDa

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

华安生物
HUABIO
www.huabio.cn

Background References

1. Yashiro T. et. al. PU.1 and IRF8 Modulate Activation of NLRP3 Inflammasome via Regulating Its Expression in Human Macrophages. *Front Immunol.* 2021 Apr
2. Pimenova AA. et. al. Alzheimer's-associated PU.1 expression levels regulate microglial inflammatory response. *Neurobiol Dis.* 2021 Jan