

Product datasheet

Anti-PU.1/Spi1 antibody [EPR3158Y] ab76543

Recombinant RabMAb

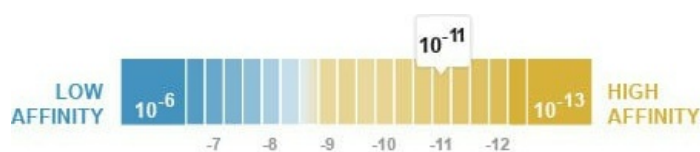
★★★★★ [3 Abreviews](#) [15 References](#) [3 Images](#)

Overview

Product name	Anti-PU.1/Spi1 antibody [EPR3158Y]
Description	Rabbit monoclonal [EPR3158Y] to PU.1/Spi1
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB Unsuitable for: Flow Cyt (Intra) or ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human PU.1/Spi1 aa 1-100 (N terminal). The exact sequence is proprietary. Database link: P17947
Positive control	WB: Daudi, THP-1 and Raji Whole cell lysate IHC: human tonsil tissue
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Dissociation constant (K_D)	K _D = 4.40 x 10 ⁻¹¹ M



[Learn more about K_D](#)

Storage buffer	pH: 7.20
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	Preservative: 0.01% Sodium azide
	Constituents: 0.05% BSA, 40% Glycerol (glycerin, glycerine), 59% PBS
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR3158Y
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab76543 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

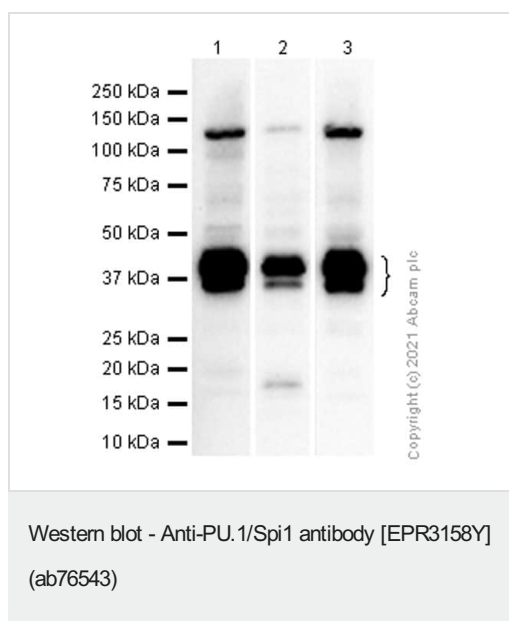
Application	Abreviews	Notes
IHC-P		1/3000. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. For unpurified use: 1/100.00000 - 1/250.00000
WB	★★★★★ (2)	1/1000. Detects a band of approximately 42 kDa (predicted molecular weight: 31 kDa). For unpurified use: 1/5000.00000 - 1/20000.00000

Application notes Is unsuitable for Flow Cyt (Intra) or ICC/IF.

Target

Function	Binds to the PU-box, a purine-rich DNA sequence (5'-GAGGAA-3') that can act as a lymphoid-specific enhancer. This protein is a transcriptional activator that may be specifically involved in the differentiation or activation of macrophages or B-cells. Also binds RNA and may modulate pre-mRNA splicing.
Sequence similarities	Belongs to the ETS family. Contains 1 ETS DNA-binding domain.
Cellular localization	Nucleus.

Images



All lanes : Anti-PU.1/Spi1 antibody [EPR3158Y] (ab76543) at 1/1000 dilution (Purified)

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

Lane 2 : THP-1 (Human monocytic leukemia monocyte) whole cell lysate

Lane 3 : Raji (Human Burkitt's lymphoma B lymphocyte) whole cell lysate

Lysates/proteins at 20 µg per lane.

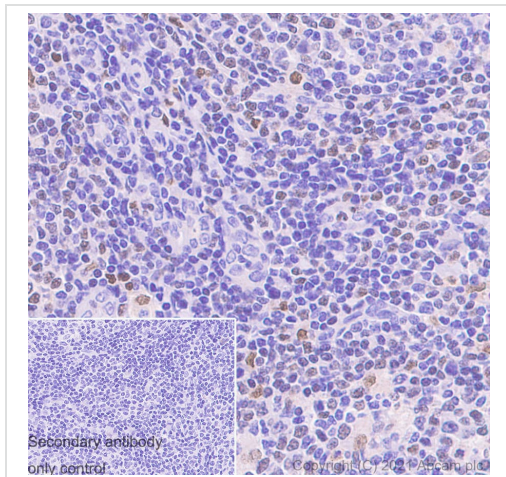
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 31 kDa

Observed band size: 37-42 kDa





PU.1 is a 37-42 kDa member of the ets family of transcription factors. The molecule weight observed is consistent with what has been described in the literature (PMID: 28362429, 31586032, 28586009).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human tonsil tissue sections labeling PU.1/Spi1 with Purified ab76543 at 1:3000 dilution (0.035 µg/ml). Heat mediated antigen retrieval was performed using Heat mediated antigen retrieval using Bond™ Epitope Retrieval Solution 2 (pH 9.0) . Tissue was counterstained with Hematoxylin. Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) secondary antibody was used. PBS instead of the primary antibody was used as the negative control.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PU.1/Spi1 antibody [EPR3158Y] (ab76543)

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-PU.1/Spi1 antibody [EPR3158Y] (ab76543)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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