

Goat SPI1 / PU.1 Polyclonal Antibody | anti-SPI1 antibody

Goat Polyclonal to Human SPI1 / PU.1

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA52298	Goat	Human, Bovine, Dog, Horse, Pig, Rabbit Predicted Reactivity: Monkey	Immunohistochemistry

PRODUCT SYNONYMS

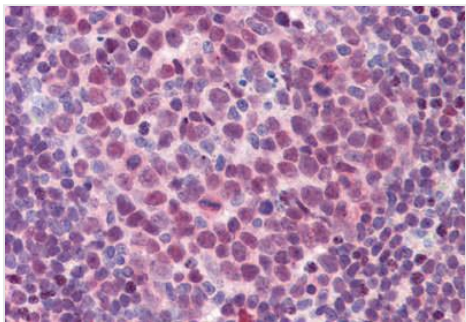
SPI1 / PU.1; Polyclonal Antibody; Goat Polyclonal to Human SPI1 / PU.1; Anti-SPI1 / PU.1 Antibody IHC-plus; SPI1; 31 kDa-transforming protein; 31 kDa transforming protein; PU.1; SFPI1; SPI-1; SPI-1 proto-oncogene; SPI-A; Transcription factor PU.1; Human SPI1; anti-SPI1 antibody

PRODUCT SPECIFICATIONS

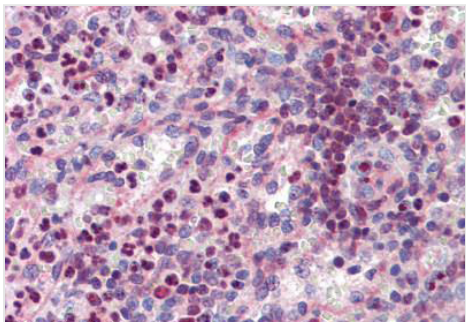
Host	Goat
Reactivity	Human, Bovine, Dog, Horse, Pig, Rabbit Predicted Reactivity: Monkey
Clonality	Polyclonal
Specificity	Human SPI1 / PU.1. This antibody is expected to recognise both reported isoforms (NP_001074016.1; NP_003111.2).
Purity/Purification	Immunoaffinity Purified
Form/Format	TBS, pH7.3, 0.02% Sodium Azide, 0.5% BSA
Sequence Positions	27-37
Applicable Applications for anti-SPI1 antibody	IHC (Immunohistochemistry)
Immunogen Species	Human
Antigen Type	Synthetic peptide
Immunogen	SPI1 / PU.1 antibody was raised against synthetic peptide C-DLYQRQTHEYY from an internal region of human SPI1 / PU.1 (NP_001074016.1; NP_003111.2). Percent identity by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Panda, Bovine, Dog, Horse, Rabbit, Pig (100%); Marmoset, Opossum (91%); Rat, Platypus (82%).
Usage Summary	Immunohistochemistry: was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for was determined to be 3.75ug/ml.
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Store at -20 degree C. Minimize freezing and thawing.

IMAGES



IHC (Immunohiostchemistry)
Anti-SPI1 / PU.1 antibody IHC of human colon, lymphoid aggregate. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 3.75 ug/ml.



IHC (Immunohistochemistry)
Anti-SPI1 / PU.1 antibody IHC of human spleen. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 3.75 ug/ml.

NCBI AND UNIPROT INFORMATION

NCBI GI #	124028517
NCBI GeneID	6688
NCBI Accession #	NP_003111.2
NCBI GenBank Nucleotide #	NM_003120.2
UniProt Accession #	P17947
Molecular Weight	31,211 Da
NCBI Official Full Name	transcription factor PU.1 isoform 2
NCBI Official Synonym Full Names	Spi-1 proto-oncogene
NCBI Official Symbol	SPI1
NCBI Official Synonym Symbols	OF; PU.1; SFPI1; SPI-1; SPI-A
NCBI Protein Information	transcription factor PU.1; 31 kDa transforming protein; 31 kDa-transforming protein; hematopoietic transcription factor PU.1; spleen focus forming virus (SFFV) proviral integration oncogene spi1
UniProt Protein Name	Transcription factor PU.1
UniProt Gene Name	SPI1
UniProt Entry Name	SPI1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/spi1-pu1-antibody-immunohistochemistry-elisa/52298>