

## ARG41664 anti-PAX5 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes PAX5
Tested Reactivity	Hu, Ms
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PAX5
Species	Human
Immunogen	Synthetic peptide of Human PAX5.
Conjugation	Un-conjugated
Alternate Names	Paired box protein Pax-5; ALL3; B-cell-specific transcription factor; BSAP

### Application Instructions

Application table	Application	Dilution
	FACS	1:30
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:1000 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Ramos	
Observed Size	~ 43 kDa	

### Properties

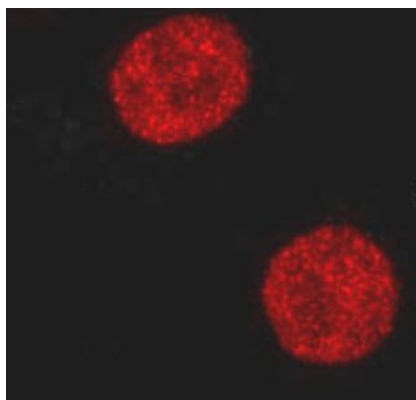
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

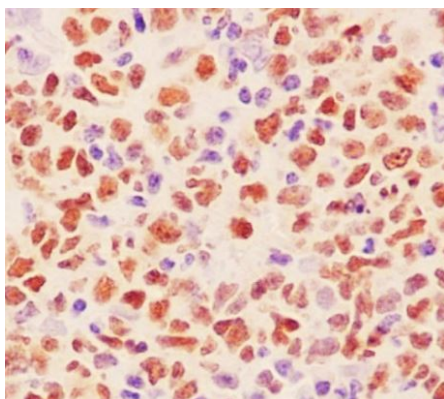
Gene Symbol	PAX5
Gene Full Name	paired box 5
Background	<p>This gene encodes a member of the paired box (PAX) family of transcription factors. The central feature of this gene family is a novel, highly conserved DNA-binding motif, known as the paired box. Paired box transcription factors are important regulators in early development, and alterations in the expression of their genes are thought to contribute to neoplastic transformation. This gene encodes the B-cell lineage specific activator protein that is expressed at early, but not late stages of B-cell differentiation. Its expression has also been detected in developing CNS and testis and so the encoded protein may also play a role in neural development and spermatogenesis. This gene is located at 9p13, which is involved in t(9;14)(p13;q32) translocations recurring in small lymphocytic lymphomas of the plasmacytoid subtype, and in derived large-cell lymphomas. This translocation brings the potent E-mu enhancer of the IgH gene into close proximity of the PAX5 promoter, suggesting that the deregulation of transcription of this gene contributes to the pathogenesis of these lymphomas. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2013]</p>
Function	<p>May play an important role in B-cell differentiation as well as neural development and spermatogenesis. Involved in the regulation of the CD19 gene, a B-lymphoid-specific target gene. [UniProt]</p>
Calculated Mw	42 kDa
PTM	O-glycosylated. [UniProt]
Cellular Localization	Nucleus. [UniProt]

## Images



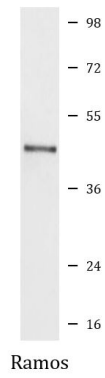
ARG41664 anti-PAX5 antibody ICC/IF image

Immunofluorescence: Ramos cells stained with ARG41664 anti-PAX5 antibody.



ARG41664 anti-PAX5 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human tonsil tissue stained with ARG41664 anti-PAX5 antibody.



#### ARG41664 anti-PAX5 antibody WB image

Western blot: Ramos cell lysate stained with ARG41664 anti-PAX5 antibody.