ARG63231
anti-PAX5 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes PAX5
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	PAX5
Species	Human
Immunogen	DLEKNYPTPRTSR-C
Conjugation	Un-conjugated
Alternate Names	Paired box protein Pax-5; ALL3; B-cell-specific transcription factor; BSAP

Application Instructions

Application table

Application	Dilution
WB	0.1 - 0.5 µg/ml

Application Note

WB: Recommend incubate at RT for 1h.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

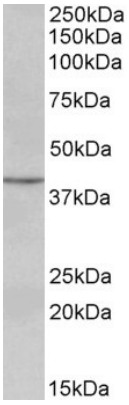
Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
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 or below. 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

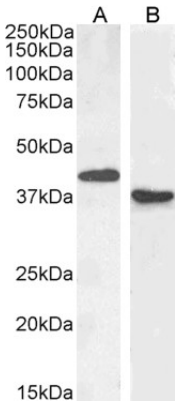
Database links	GeneID: 18507 Mouse GeneID: 5079 Human Swiss-port # Q02548 Human Swiss-port # Q02650 Mouse
Background	This gene encodes a member of the paired box (PAX) family of transcription factors. The central feature of this gene family is a novel, highly conserved DNA-binding motif, known as the paired box. PAX proteins 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. Alternatively spliced transcript variants encoding different isoforms have been described but their biological validity has not been determined. [provided by RefSeq, Jul 2008]
Research Area	Gene Regulation antibody; Neuroscience antibody
Calculated Mw	42 kDa
PTM	O-glycosylated.

Images



ARG63231 anti-PAX5 antibody WB image

Western Blot: Human Lymph lysate (35 µg protein in RIPA buffer) stained with ARG63231 anti-PAX5 antibody at 0.3 µg/ml dilution.



ARG63231 anti-PAX5 antibody WB image

Western blot: 35 µg of Mouse (A) and Rat (B) spleen lysates (in RIPA buffer) stained with ARG63231 anti-PAX5 antibody at 1 µg/ml (A) and 0.3 µg/ml (B) dilutions and incubated at RT for 1 hour.