

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Pax5/BSAP in direct ELISAs and Western blots. In direct ELISAs and Western blots, less than 1% cross-reactivity with recombinant human (rh) Pax2, rhPax3, and rhPax4 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Pax5/BSAP Thr141-His391 Accession # Q02548
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Pax5, also known as BSAP (B-cell-specific transcription factor) is a 42 kDa protein belonging to the paired box transcription factor family. It is a developmental regulator that is important for B-cell lineage commitment and development. Human Pax5 is a 391 amino acid (aa) protein containing the paired DNA-binding domain at the N-terminal region. Several alternatively spliced isoforms with altered C-terminal regions and possessing different transactivation properties have been described. All isoforms share the N-terminal 235 aa with full-length Pax5. Human Pax5 shares 99%, 97% and 94% aa sequence identity with mouse, bovine and canine Pax5, respectively.

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