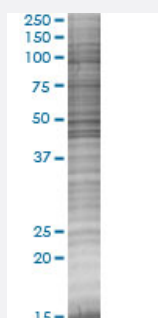


PAX5 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00005079-T01

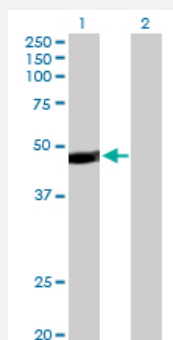
Size 100 uL

Applications



SDS-PAGE Gel

PAX5 transfected lysate.



Western Blot

Lane 1: PAX5 transfected lysate (42.10 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-PAX5 full-length

Host Human

Theoretical MW (kDa) 42.1

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-PAX5 antibody ([H00005079-D01P](#)) by Western Blots.

SDS-PAGE Gel

PAX5 transfected lysate.

Western Blot

Lane 1: PAX5 transfected lysate (42.10 KDa)

Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — PAX5

Entrez GeneID[5079](#)**GeneBank Accession#**[NM_016734.1](#)**Protein Accession#**[NP_057953.1](#)**Gene Name**

PAX5

Gene Alias

BSAP

Gene Description

paired box 5

Omim ID[167414](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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]

Other Designations

B-cell lineage specific activator|paired box homeotic gene 5|transcription factor PAX 5

Disease

- [Precursor B-Cell Lymphoblastic Leukemia-Lymphoma](#)
- [Tobacco Use Disorder](#)