Mouse Anti-PAX1 Recombinant Antibody (5A10D9)

Cat. No.: **CBMAB-P0854-YC**
This product is for research use only and is not intended for diagnostic use.

Summary

Host Animal	Mouse
Specificity	Human, Mouse
Clone	5A10D9
Antibody Isotype	IgG2b
Application	ELISA, WB

Basic Information

Specificity	Human, Mouse
Antibody Isotype	IgG2b
Clonality	Monoclonal
Application Notes	The COA includes recommended starting dilutions, optimal dilutions should be determined by the end user.

Formulations & Storage *[For reference only, actual COA shall prevail!]*

Storage	Store at 4°C short term (1-2 weeks). Aliquot and store at-20°C long term. Avoid repeated freeze/thaw cycles.

Target

Introduction	PAX1 is a member of the paired box (PAX) family of transcription factors. Members of the PAX family typically contain a paired box domain and a paired-type homeodomain. These genes play critical roles during fetal development. This gene plays a role in pattern formation during embryogenesis and may be essential for development of the vertebral column. This gene is silenced by methylation in ovarian and cervical cancers and may be a

SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-357-2254 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
© Creative Biolabs All Rights Reserved

	tumor suppressor gene. Mutations in this gene are also associated with vertebral malformations.
Entrez Gene ID	Human 5075 Mouse 18503
UniProt ID	Human P15863 Mouse P09084
Alternative Names	Paired Box 1; Paired Box Gene 1; HUP48; Paired Box Protein Pax-1; Paired Domain Gene HuP48; OFC2;
Function	This protein is a transcriptional activator. It may play a role in the formation of segmented structures of the embryo. May play an important role in the normal development of the vertebral column (By similarity).
Biological Process	Anatomical structure developmentManual Assertion Based On ExperimentIBA:GO_Central Regulation of transcription by RNA polymerase IIManual Assertion Based On ExperimentIBA:GO_Central Skeletal system developmentManual Assertion Based On ExperimentTAS:ProtInc Transcription by RNA polymerase IIManual Assertion Based On ExperimentTAS:ProtInc
Cellular Location	Nucleus
Involvement in disease	Otofaciocervical syndrome 2, with T-cell deficiency (OTFCS2): An autosomal recessive disorder characterized by facial dysmorphism, cup-shaped low-set ears, preauricular fistulas, hearing loss, branchial defects, skeletal anomalies including vertebral defects, low-set clavicles, winged scapulae, sloping shoulders, and mild intellectual disability. Some patients also exhibit altered thymus development with T-cell immunodeficiency.

SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-357-2254 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
© Creative Biolabs All Rights Reserved