

Rabbit Anti-PAX1 antibody

SL1199R

Product Name	PAX1
Chinese Name	配对盒基因 1 抗体
Alias	HUP48; OTTHUMP00000030407; Paired box 1; Paired box gene 1; Paired box protein Pax 1; Paired domain gene HuP48; PAX 1; PAX1_HUMAN.
Research Area	Tumour Developmental biology Signal transduction Stem cells transcriptional regulatory factor
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Mouse(predicted:Rat,Dog,Pig,Cow,Rabbit,Sheep) WB=1:500-2000 (Paraffin sections need antigen repair)
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	55kDa
Cellular localization	The nucleus
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human PAX1: 151-250/534
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed
Product Detail	This gene 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 tumor suppressor gene. Mutations in this gene are also associated with vertebral malformations. [provided by RefSeq, Mar 2012]

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.

Subcellular Location:

Nucleus.

Similarity:

Contains 1 paired domain.

SWISS:

P15863

Gene ID:

5075

Database links:

[Entrez Gene: 5075](#) Human

[Entrez Gene: 18503](#) Mouse

[Entrez Gene: 311505](#) Rat

[Omim: 167411](#) Human

[SwissProt: P15863](#) Human

[SwissProt: P09084](#) Mouse

[Unigene: 349082](#) Human

[Unigene: 315502](#) Mouse

同源结构域蛋白（Homeodomain Proteins）

PAX 蛋白在器官发生中起关键作用，包括促进细胞增殖、细胞世系的特异位、迁移和存活。一些 PAX 基因在多种癌症类型中表达，因此可以作为有用的 TumourMaker。



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