

For Research Use Only

# PAX9 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87678-3-PBS



## Basic Information

<b>Catalog Number:</b> 87678-3-PBS	<b>GenBank Accession Number:</b> BC001159	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5083	<b>CloneNo.:</b> 253236E6
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P55771	
<b>Isotype:</b> IgG	<b>Full Name:</b> paired box 9	
<b>Immunogen Catalog Number:</b> AG25381	<b>Calculated MW:</b> 341 aa, 36 kDa	
	<b>Observed MW:</b> 38 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human

## Background Information

PAX9, a member of the paired box-containing gene family, is closely related in its paired domain to PAX1. PAX9 is essential for the development of a variety of organs and skeletal elements, particularly the initial stage of odontogenesis. Mutations in PAX9 can cause selective tooth agenesis in humans. PAX9 is reported as a sensitive marker for deregulated differentiation of oesophageal keratinocytes, and it has a role in the normal differentiation process of internal stratified squamous epithelia.

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

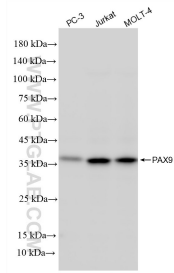
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

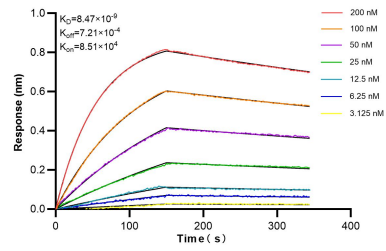
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87678-3-RR (PAX9 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87678-3-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 87678-3-RR against Human PAX9 were performed. The affinity constant is 8.47 nM.