

### Anti-PAX9 antibody [7C2] ab28538

重组

★★★★★ **1 Abreviews** **11 References** **2 图像**

#### 概述

产品名称	Anti-PAX9抗体[7C2]
描述	大鼠单克隆抗体[7C2] to PAX9
宿主	Rat
特异性	Does not cross react with other PAX proteins
经测试应用	<b>适用于:</b> ICC/IF, WB <b>不适用于:</b> IHC-P
种属反应性	<b>与反应:</b> Mouse
免疫原	Recombinant fragment within Mouse PAX9 aa 250 to the C-terminus. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please <b><a href="#">contact</a></b> our Scientific Support team to discuss your requirements.
阳性对照	WB: Mouse esophagus, Mouse skeletal muscle tissue. ICC/IF: NIH/3T3 cells.
常规说明	This product has switched from a hybridoma to recombinant production method on 08th March 2021.  This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information <b><a href="#">see here</a></b> .

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆

克隆编号	7C2
同种型	IgG1
轻链类型	kappa

## 应用

## The Abpromise guarantee Abpromise™承诺保证使用ab28538于以下的经测试应用

“应用说明”部分下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC/IF		1/20.
WB		1/1000. Predicted molecular weight: 38 kDa.

**应用说明** Is unsuitable for IHC-P.

## 靶标

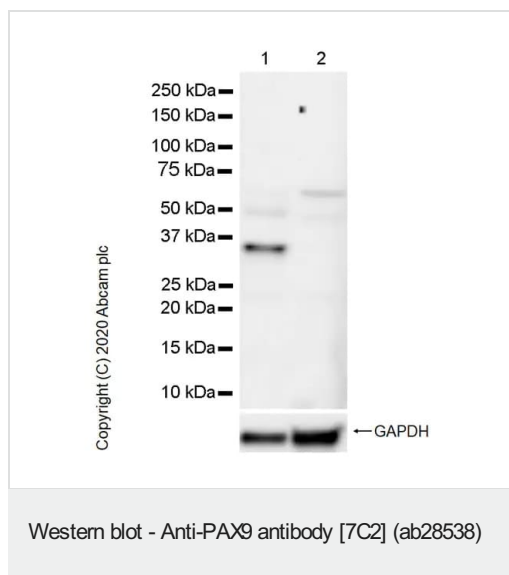
<b>功能</b>	Transcription factor required for normal development of thymus, parathyroid glands, ultimobranchial bodies, teeth, skeletal elements of skull and larynx as well as distal limbs.
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**疾病相关** Defects in PAX9 are the cause of tooth agenesis selective type 3 (STHAG3) [MIM:604625]. A form of selective tooth agenesis, a common anomaly characterized by the congenital absence of one or more teeth. Selective tooth agenesis without associated systemic disorders has sometimes been divided into 2 types: oligodontia, defined as agenesis of 6 or more permanent teeth, and hypodontia, defined as agenesis of less than 6 teeth. The number in both cases does not include absence of third molars (wisdom teeth).

**序列相似性** Contains 1 paired domain.

**细胞定位** Nucleus.

图片



**All lanes :** Anti-PAX9 antibody [7C2] (ab28538) at 1/1000 dilution

**Lane 1 :** Mouse esophagus tissue lysate

**Lane 2 :** Mouse skeletal muscle tissue lysate

Lysates/proteins at 20 µg per lane.

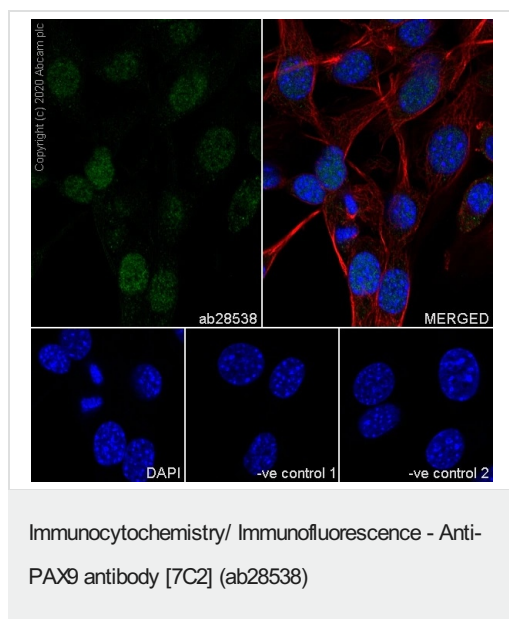
#### Secondary

**All lanes :** Goat Anti-Rat IgG H&L (HRP) ([ab205720](#)) at 1/10000 dilution

**Predicted band size:** 38 kDa

**Exposure time:** 70 seconds

Blocking and diluting buffer and concentration: 5% NFDM/TBST



Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized NIH/3T3 cells labelling PAX9 with ab28538 at 1/20 (49.7 µg/ml) dilution, followed by [ab150157](#) Goat Anti-Rat IgG H&L (Alexa Fluor® 488) antibody at 1/1000 dilution (Green). Confocal image showing strong nuclear staining in NIH/3T3 cells. [ab179513](#) Anti-beta Tubulin rabbit monoclonal antibody was used to counterstain tubulin at 1/200 dilution (Red). The Nuclear counterstain was DAPI (Blue).

Secondary antibody only control: Secondary antibody is [ab150157](#) Goat Anti-Rat IgG H&L (Alexa Fluor® 488) at 1/1000 dilution.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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