10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PAX9 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a full-length recombinant PAX9.
Catalog # AT3195a

Product Information

Application	WB
Primary Accession	P55771
Other Accession	NM_006194
Reactivity	Human, Rat
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	4B9
Calculated MW	36310

Additional Information

Gene ID	5083
Other Names	Paired box protein Pax-9, PAX9
Target/Specificity	PAX9 (NP_006185, 205 a.a. ~ 300 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	PAX9 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

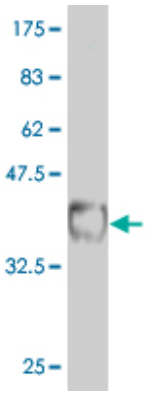
This gene is a member of the paired box (PAX) family of transcription factors. Members of this gene family typically contain a paired box domain, an octapeptide, and a paired-type homeodomain. These genes play critical roles during fetal development and cancer growth. The specific function of the paired box 9 gene is unknown but it may involve development of stratified squamous epithelia as well as various organs and skeletal elements.

References

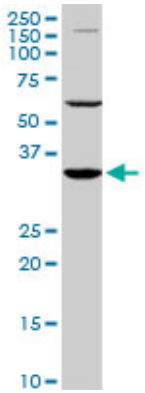
Maternal genes and facial clefts in offspring: a comprehensive search for genetic associations in two population-based cleft studies from Scandinavia. Jugessur A, et al. PLoS One, 2010 Jul 9. PMID

20634891.Mutations in the PAX9 gene in sporadic oligodontia. Pawlowska E, et al. Orthod Craniofac Res, 2010 Aug. PMID 20618716.Association between genetic variants of reported candidate genes or regions and risk of cleft lip with or without cleft palate in the polish population. Mostowska A, et al. Birth Defects Res A Clin Mol Teratol, 2010 Jul. PMID 20544801.A 223-kb de novo deletion of PAX9 in a patient with oligodontia. Haldeman-Englert CR, et al. J Craniofac Surg, 2010 May. PMID 20485064.Genetics and human malformations. Mues G, et al. J Craniofac Surg, 2009 Sep. PMID 19816326.

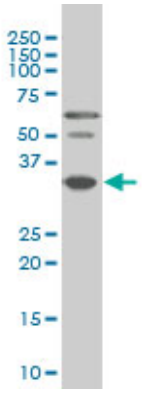
Images



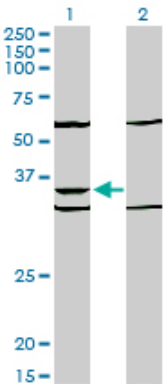
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.56 KDa) .



PAX9 monoclonal antibody (M03), clone 4B9. Western Blot analysis of PAX9 expression in PC-12((Cat # AT3195a)

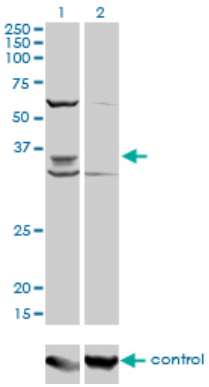


PAX9 monoclonal antibody (M03), clone 4B9 Western Blot analysis of PAX9 expression in Hela S3 NE ((Cat # AT3195a)



Western Blot analysis of PAX9 expression in transfected 293T cell line by PAX9 monoclonal antibody (M03), clone 4B9.

Lane 1: PAX9 transfected lysate(36.3 KDa).
Lane 2: Non-transfected lysate.



Western blot analysis of PAX9 over-expressed 293 cell line, cotransfected with PAX9 Validated Chimera RNAi ((Cat # AT3195a)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.