

PAX9 Antibody (monoclonal) (M03)

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

Catalog # AT3195a

Specification

PAX9 Antibody (monoclonal) (M03) - Product Information

Application	WB
Primary Accession	P55771
Other Accession	NM_006194
Reactivity	Human, Rat
Host	mouse
Clonality	Monoclonal
Isotype	IgG2b Kappa
Calculated MW	36310

PAX9 Antibody (monoclonal) (M03) - 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.

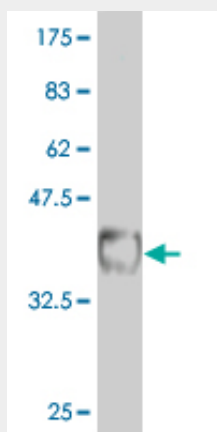
PAX9 Antibody (monoclonal) (M03) - Protocols

Provided below are standard protocols that you may find useful for product applications.

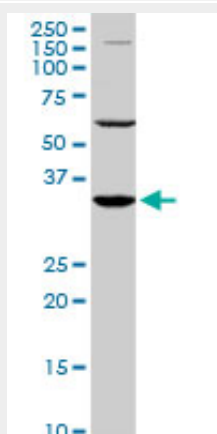
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

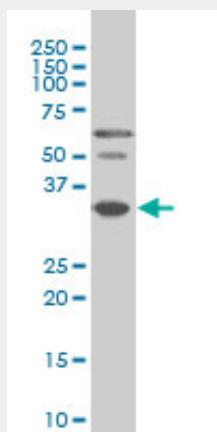
PAX9 Antibody (monoclonal) (M03) - Images



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

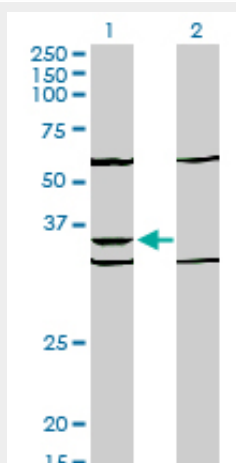


PAX9 monoclonal antibody (M03), clone 4B9. Western Blot analysis of PAX9 expression in PC-12 (Cat # AT3195a)



PAX9 monoclonal antibody (M03), clone 4B9 Western Blot analysis of PAX9 expression in HeLa S3

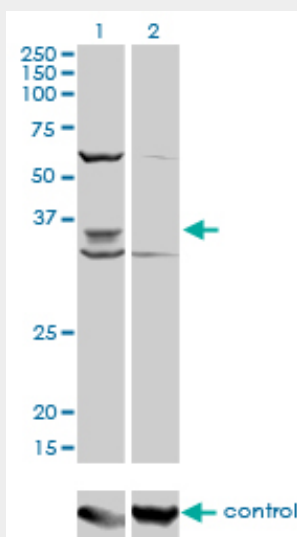
NE ((Cat # AT3195a)



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)

PAX9 Antibody (monoclonal) (M03) - 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.

PAX9 Antibody (monoclonal) (M03) - 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.