

**Pax-9 rabbit pAb****Cat#: orb766030 (Manual)**

For research use only. Not intended for diagnostic use.

<b>Product Name</b>	Pax-9 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Pax-9. AA range:158-207
<b>Specificity</b>	Pax-9 Polyclonal Antibody detects endogenous levels of Pax-9 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Paired box protein Pax-9
<b>Gene Name</b>	PAX9
<b>Cellular localization</b>	Nucleus.
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

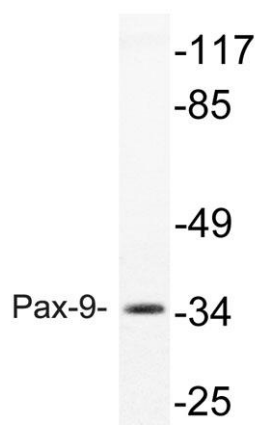
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	35kD
<b>Human Gene ID</b>	5083
<b>Human Swiss-Prot Number</b>	P55771
<b>Alternative Names</b>	PAX9; Paired box protein Pax-9

### 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. Mice lacking this gene exhibit impaired development of organs, musculature and the skeleton, including absent and abnormally developed teeth, and neonatal lethality. Mutations in the human gene are associated with selective tooth agenesis-3. [provided by RefSeq, Sep 2015],



**Western Blot analysis of various cells using Pax-9 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA).**



**Western blot analysis of lysate from rat heart, using Pax-9 antibody.**



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Biorbyt Ltd  
7 Signet Court, Swann Road, Cambridge, CB5 8LA. United Kingdom  
Email: [info@biorbyt.com](mailto:info@biorbyt.com) | Phone: +44 (0)1223 859-353 | Fax: +44 (0)1223 280-240

Biorbyt LLC  
68 TW Alexander Drive, Durham, NC 27709. United States  
Email: [info@biorbyt.com](mailto:info@biorbyt.com) | Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558