

# OSR1 + OSR2 Rabbit pAb

OSR1 + OSR2 Rabbit pAb

Catalog # AP54841

## Product Information

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<b>Application</b>	IHC-P, IHC-F, IF
<b>Primary Accession</b>	<a href="#">Q8TAX0</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Predicted</b>	Dog, Pig, Horse, Sheep, Zebrafish
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	29611
<b>Physical State</b>	Liquid
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from human OSR2 and OSR1
<b>Epitope Specificity</b>	181-280/312
<b>Isotype</b>	IgG
<b>Purity</b>	affinity purified by Protein A
<b>Buffer</b>	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
<b>SUBCELLULAR LOCATION</b>	Nuclear.
<b>SIMILARITY</b>	Belongs to the Odd C2H2-type zinc-finger protein family. Contains 3 C2H2-type zinc fingers.
<b>Important Note</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>Background Descriptions</b>	The OSR1 (odd skipped related 1) gene encodes a zinc-finger transcription factor that is expressed in the germ ring mesendoderm and subsequently in the endoderm and intermediate mesoderm, prior to the expression of definitive kidney or blood/vascular markers. Osr1 expression marks a multi-potent population of intermediate mesoderm that undergoes progressive restriction to an Osr1-dependent nephron progenitor compartment within the mammalian kidney. Osr1 expression is regulated by Runx2 and Ikzf1, which are known as master-gene of osteogenesis and hematopoiesis, respectively.

## Additional Information

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<b>Gene ID</b>	130497
<b>Other Names</b>	Protein odd-skipped-related 1, OSR1, ODD
<b>Target/Specificity</b>	Expressed in adult colon, small intestine, prostate, testis, and fetal lung.
<b>Dilution</b>	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
<b>Storage</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

## Protein Information

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<b>Name</b>	OSR1
<b>Synonyms</b>	ODD
<b>Function</b>	Transcription factor that plays a role in the regulation of embryonic heart and urogenital development.
<b>Cellular Location</b>	Nucleus.
<b>Tissue Location</b>	Expressed in adult colon, small intestine, prostate, testis, and fetal lung.

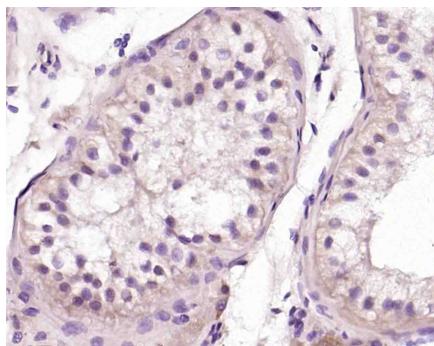
## Background

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The OSR1 (odd skipped related 1) gene encodes a zinc-finger transcription factor that is expressed in the germ ring mesendoderm and subsequently in the endoderm and intermediate mesoderm, prior to the expression of definitive kidney or blood/vascular markers. Osr1 expression marks a multi-potent population of intermediate mesoderm that undergoes progressive restriction to an Osr1-dependent nephron progenitor compartment within the mammalian kidney. Osr1 expression is regulated by Runx2 and Ikzf1, which are known as master-gene of osteogenesis and hematopoiesis, respectively.

## Images

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Paraformaldehyde-fixed, paraffin embedded (human testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (OSR1 + OSR2) Polyclonal Antibody, Unconjugated (AP54841) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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