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OSR1 + OSR2 Rabbit pAb

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Catalog # AP54841

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8TAX0
Reactivity	Rat, Human, Mouse
Predicted	Pig, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	29611
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human OSR2 and OSR1
Epitope Specificity	181-280/312
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nuclear.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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

Gene ID	130497
Other Names	Protein odd-skipped-related 1, OSR1, ODD
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	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.

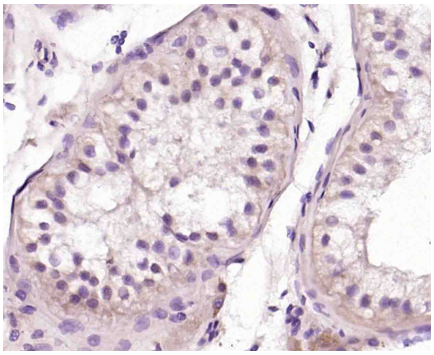
Protein Information

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

Background

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Images



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) instructionsand DAB staining.

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