



Rabbit Anti-OSR1 + OSR2 antibody

SL12377R

Product Name:	OSR1 + OSR2
Chinese Name:	OSR1/OSR2蛋白抗体
Alias:	FLJ90037; Odd skipped related 2; Odd skipped related 2A protein; Odd-skipped related; odd-skipped related 2 (Drosophila); Osr2; OSR2_HUMAN; Protein odd-skipped-related 2; ODD; Odd skipped Drosophila homolog; Odd skipped homolog; Odd skipped related 1 (Drosophila); Odd skipped related 1; Odd skipped related 1 Drosophila; Odd1; Protein odd skipped related 1; OSR1_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep,Danio rerio
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	35kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human OSR2 and OSR1:181-280/312
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	OSR2 is a 312 amino acid protein that contains five zinc finger domains. It is expressed in the kidneys, skeletal muscle, testis, and mouse embryos and may be involved in transcriptional activity and osteoblast function. The expression of OSR2 is regulated by

C/EBP regulatory elements. OSR2 plays a role in regulating palatal development and expression of alkaline phosphatase. Two isoforms, OSR2A and OSR2B, are produced due to alternative splicing. OSR2B is 36 amino acids shorter than OSR2A and contains only three zinc finger motifs. Both isoforms localize to the nucleus and are thought to exhibit opposite transcriptional activities. Mutations in the gene encoding OSR2 can alter the gene expression of Pax-9 and TGF beta3.

Subcellular Location:

Nucleus.

Similarity:

Belongs to the Odd C2H2-type zinc-finger protein family.
Contains 5 C2H2-type zinc fingers.

SWISS:

Q8TAX0

Q8N2R0

Gene ID:

130497

116039

Database links:

[Entrez Gene: 539430](#)Cow

[Entrez Gene: 130497](#)Human

[Entrez Gene: 23967](#)Mouse

[Entrez Gene: 298878](#)Rat

[Oimim: 608891](#)Human

[SwissProt: Q08DS3](#)Cow

[SwissProt: Q8TAX0](#)Human

[SwissProt: Q9WVG7](#)Mouse

[SwissProt: B0K011](#)Rat

[Entrez Gene: 116039](#)Human

[Entrez Gene: 107587](#)Mouse

[Entrez Gene: 315039](#)Rat

[Oimim: 611297](#)Human

[SwissProt: Q8N2R0](#)Human

[SwissProt: Q91ZD1](#)Mouse

[SwissProt: Q6AY34](#)Rat

[Unigene: 253247](#)Human

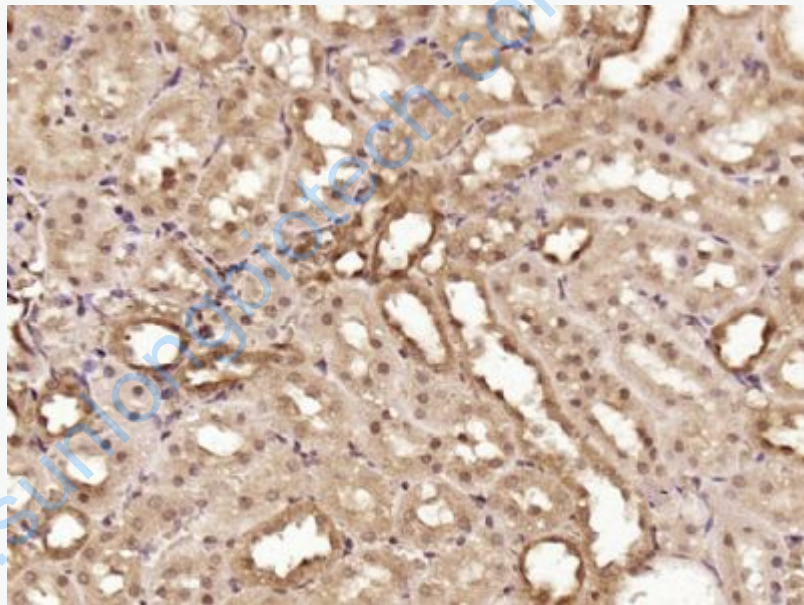
[Unigene: 46336](#)Mouse

[Unigene: 13228](#)Rat

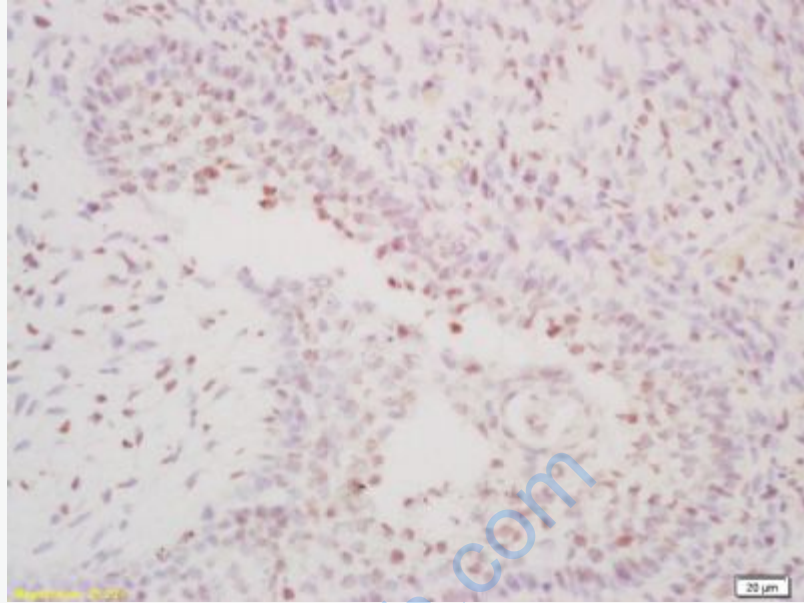
Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Paraformaldehyde-fixed, paraffin embedded (Rat kidney); 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; Antibody incubation with (OSR1 + OSR2) Polyclonal Antibody, Unconjugated (SL12377R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Tissue/cell: mouse embryo tissue ; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-OSR2 Polyclonal Antibody, Unconjugated(SL12377R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining