



## Rabbit Anti-Nanos3 antibody

SL10227R

<b>Product Name:</b>	Nanos3
<b>Chinese Name:</b>	骨巢蛋白抗体
<b>Alias:</b>	NANOS3; NANOS 3; NANOS-3; NOS3; NOS-3; Nanos homolog 3; NANO3 HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Pig,Cow,Sheep,
<b>Applications:</b>	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.
<b>Molecular weight:</b>	19kDa
<b>Cellular localization:</b>	The cell membraneExtracellular matrixSecretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human Nanos3:101-173/173
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Nidogens are highly conserved proteins present in vertebrate and invertebrate basement membranes. Nidogens connect the Laminin and Collagen IV networks and integrate other proteins into the membrane. In mammals, two Nidogen proteins, Nidogen and Nidogen-2, interact at comparable levels with Collagen I, IV and Perlecan, serving to stabilize basement membranes and playing a major role in embryogenesis. The two isoforms have a similar shape, consisting of three globular domains, and co-localize in

vessel walls and other basement membrane zones. Nidogen-2 is a cell adhesion protein glycosylated at nitrogen and oxygen sites, and is widely distributed in basement membranes in heart, placenta, bone and, to a lesser extent, in pancreas, kidney and skeletal muscle.

**Function:**

Cell adhesion glycoprotein which is widely distributed in basement membranes. Binds to collagens I and IV, to perlecan and to laminin 1. Does not bind fibulins. It probably has a role in cell-extracellular matrix interactions.

**Subunit:**

Interacts with LAMA2. Interacts with COL13A1.

**Subcellular Location:**

Secreted, extracellular space, extracellular matrix, basement membrane.

**Tissue Specificity:**

Heart, placenta and bone. Less in pancreas, kidney and skeletal muscle.

**Similarity:**

Contains 5 EGF-like domains.

Contains 5 LDL-receptor class B repeats.

Contains 1 NIDO domain.

Contains 1 nidogen G2 beta-barrel domain.

Contains 2 thyroglobulin type-1 domains.

**SWISS:**

P60323

**Gene ID:**

342977

**Database links:**

[Entrez Gene: 342977](#)Human

[Entrez Gene: 244551](#)Mouse

[Entrez Gene: 288909](#)Rat

[Omim: 608229](#)Human

[SwissProt: P60323](#)Human

[SwissProt: Q495E5](#)Human

[SwissProt: P60324](#)Mouse

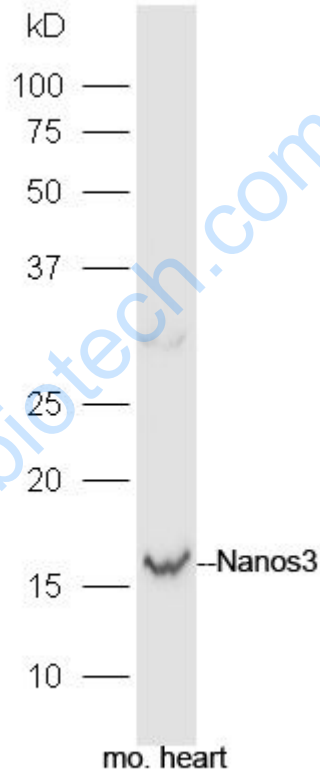
[Unigene: 127982](#)Human

[Unigene: 216740](#)Mouse

**Important Note:**

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

**Picture:**



Protein: heart(mouse) lysate at 40ug;

Primary: rabbit Anti-Nanos3 (SL10227R) at 1:300;

Secondary: HRP conjugated Goat-Anti-rabbit IgG(SL10227R) at 1: 5000;

Predicted band size: 19 kD

Observed band size: 17 kD