



Rabbit Anti-OVOL2 antibody

SL12274R

Product Name:	OVOL2
Chinese Name:	Zinc finger protein339抗体
Alias:	bA504H3.3; EUROIMAGE566589; hOvo 2; hOvo2; Ovo like 2 (Drosophila); Ovo like 2; OVOL 2; Transcription factor Ovo like 2; Zinc finger protein 339; ZNF 339; ZNF339; OVOL2_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,
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:	30kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human OVOL2:75-180/275
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:	The Ovo family of zinc-finger transcription factors encode evolutionarily conserved genes including those from Caenorhabditis elegans, Drosophila melanogaster, mouse and human. Members of the Ovo family include Ovol1 and Ovol2. Ovol1 acts as a transcriptional repressor by interacting with key developmental signaling pathways such as Wnt and TGF- β /BMP. Specifically, Ovol1 represses c-Myc and Id2 genes and

establishes a balance between proliferation and differentiation of progenitor cells. Deletion of *Ovol1* in mice leads to germ cell degeneration and defective sperm production in adult males. *Ovol1* has also been shown to repress itself as well as *Ovol2*, which is thought to regulate neural development and vascular angiogenesis during embryogenesis.

Function:

OVOL2 (Ovo like 2) contains 4 C2H2 type zinc fingers. It belongs to the *krueppel* C2H2 type zinc finger protein family. It is a DNA binding protein that binds to the 5'-G[GCT]GGGGG-3' core sequence. It probably acts as a transcription regulator.

Subcellular Location:

Nuclear.

Tissue Specificity:

Expressed in testis, ovary, heart and skeletal muscle.

Similarity:

Belongs to the *krueppel* C2H2-type zinc-finger protein family. Contains 4 C2H2-type zinc fingers.

SWISS:

Q9BRP0

Gene ID:

58495

Database links:

[Entrez Gene: 58495](#) Human

[Entrez Gene: 107586](#) Mouse

[Entrez Gene: 296201](#) Rat

[SwissProt: Q9BRP0](#) Human

[SwissProt: Q8CIV7](#) Mouse

[Unigene: 661013](#) Human

[Unigene: 710157](#) Human

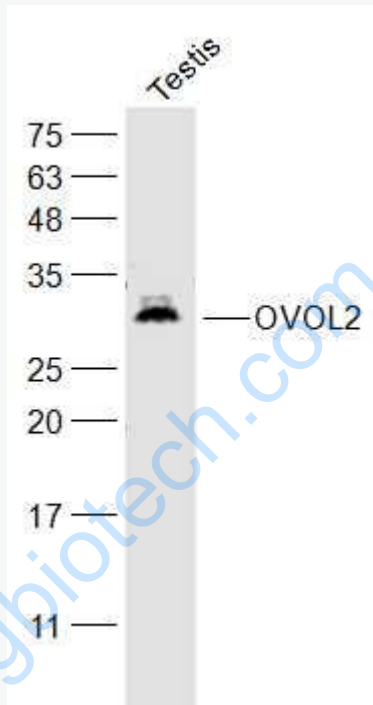
[Unigene: 252750](#) Mouse

[Unigene: 104639](#) Rat

Important Note:

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

Picture:



Sample:

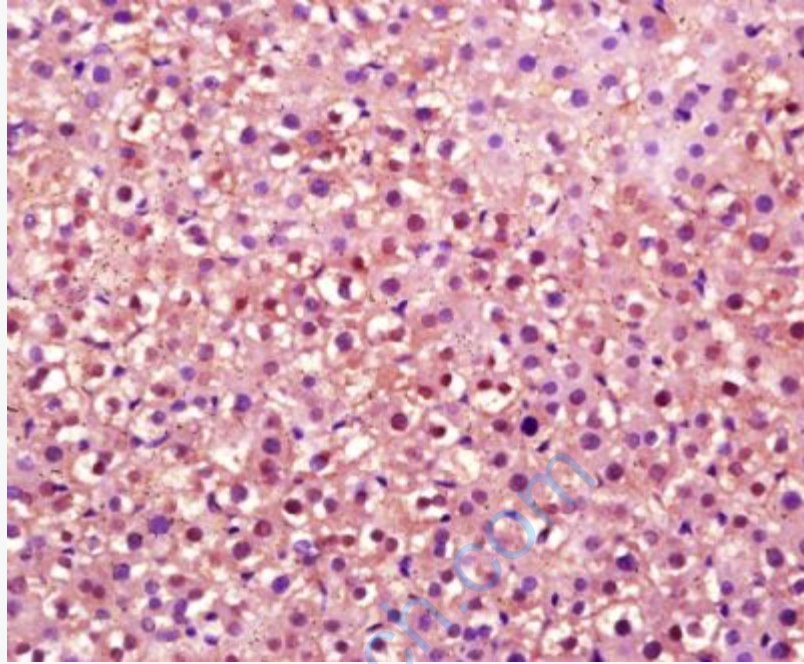
Testis(Mouse) Cell Lysate at 40 ug

Primary: Anti-OVOL2 (SL12274R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 30 kD

Observed band size: 30 kD



Paraformaldehyde-fixed, paraffin embedded (rat liver tissue); 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 (OVOL2) Polyclonal Antibody, Unconjugated (SL12274R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.