

# OVOL2 antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI11563

## Product Information

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<b>Application</b>	WB, IF
<b>Primary Accession</b>	<a href="#">Q9BRP0</a>
<b>Other Accession</b>	<a href="#">NM_021220</a> , <a href="#">NP_067043</a>
<b>Reactivity</b>	Human
<b>Predicted</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	30438

## Additional Information

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<b>Gene ID</b>	58495
<b>Alias Symbol</b>	EUROIMAGE566589, ZNF339
<b>Other Names</b>	Transcription factor Ovo-like 2, hOvo2, Zinc finger protein 339, OVOL2, ZNF339
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	Add 50 ul of distilled water. Final anti-OVOL2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
<b>Precautions</b>	OVOL2 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	OVOL2 ( <a href="#">HGNC:15804</a> )
<b>Synonyms</b>	ZNF339
<b>Function</b>	Zinc-finger transcription repressor factor (PubMed: <a href="#">19700410</a> ). Plays a critical role in maintaining the identity of epithelial lineages by suppressing epithelial-to mesenchymal transition (EMT) mainly through the repression of ZEB1, an EMT inducer (By similarity). Positively regulates neuronal differentiation (By similarity). Suppresses cell cycling and terminal differentiation of keratinocytes by directly repressing MYC and NOTCH1 (PubMed: <a href="#">19700410</a> ). Important for the correct development of primordial germ cells in embryos (By similarity). Plays dual functions in thermogenesis

and adipogenesis to maintain energy balance. Essential for brown/beige adipose tissue- mediated thermogenesis, is necessary for the development of brown adipocytes. In white adipose tissues, limits adipogenesis by blocking CEBPA binding to its transcriptional targets and inhibiting its transcription factor activity (By similarity).

**Cellular Location**

Nucleus {ECO:0000250|UniProtKB:Q8CIV7}.

**Tissue Location**

Expressed in testis, ovary, heart and skeletal muscle (PubMed:12213202).  
Expressed in the cornea, but absent from the corneal endothelium (PubMed:26749309).

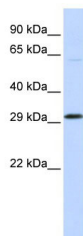
## References

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Li,B., (2002) Genomics 80 (3), 319-325  
Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

## Images

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WB Suggested Anti-OVOL2 Antibody Titration: 0.2-1 µg/ml  
ELISA Titer: 1:62500  
Positive Control: 721\_B cell lysate

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