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OVOL2 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI11563

Specification

OVOL2 antibody - middle region - Product Information

Application	**WB**
Primary Accession	Q9BRP0
Other Accession	NM_021220, NP_067043
Reactivity	**Human**
Predicted	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**30kDa KDa**

OVOL2 antibody - middle region - Additional Information

Gene ID 58495

Alias Symbol **EUROIMAGE566589, ZNF339**
Other Names
Transcription factor Ovo-like 2, hOvo2, Zinc finger protein 339, OVOL2, ZNF339

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
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.

Precautions
OVOL2 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

OVOL2 antibody - middle region - Protein Information

Name OVOL2 (HGNC:15804)

Synonyms ZNF339

Function
Zinc-finger transcription repressor factor (PubMed:19700410). 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:19700410). 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}.

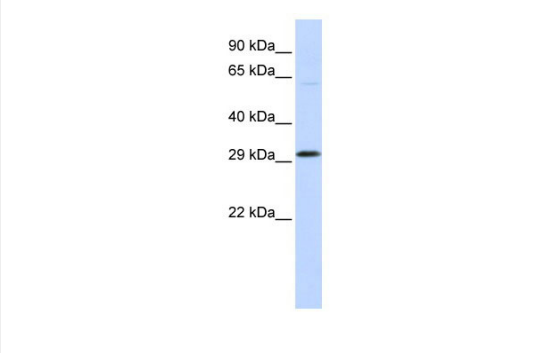
Tissue Location
Expressed in testis, ovary, heart and skeletal muscle (PubMed:12213202). Expressed in the cornea, but absent from the corneal endothelium (PubMed:26749309).

OVOL2 antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

OVOL2 antibody - middle region - Images



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

OVOL2 antibody - middle region - References

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.