

OVOL2 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI10479**Specification****OVOL2 antibody - middle region - Product Information**

Application	WB
Primary Accession	Q9BRP0
Other Accession	NM_021220 , NP_067043
Reactivity	Human, Mouse, Rat, Horse, Bovine, Dog
Predicted	Human, Mouse, Rat, Pig, Chicken, Bovine, Dog
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 Cytometry](#)
- [Cell Culture](#)

