10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

OVOL2 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI10479

Product Information

Application	WB
Primary Accession	Q9BRP0
Other Accession	NM_021220, NP_067043
Reactivity	Human, Mouse, Rat, Dog, Bovine
Predicted	Human, Mouse, Rat, Pig, Chicken, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	30438

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.

Protein Information

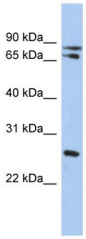
Name	OVOL2 (HGNC:15804)
Synonyms	ZNF339
Function	Zinc-finger transcription repressor factor (PubMed: 19700410). Plays a critical role in maintaining the identity of epithelial lineages by suppressing epithelial-to mesenchymal transition (EMT) mainly through the repression of ZEB1, an EMT inducer (By 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).

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.

Images



WB Suggested Anti-OVOL2 Antibody Titration: .2-1 ug/ml
ELISA Titer: 1:625
Positive Control: HT18 cell lysate

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