OVOL1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	OVOL1, Polyclonal Antibody
Full Product Name	OVOL1 Conjugated Antibody
Product Gene Name	anti-OVOL1 antibody
Product Synonym Names	Putative transcription factor Ovo-like 1; hOvo1; OVOL1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	The antibody detects endogenous levels of total OVOL1 protein.
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	30,259 Da
Chromosome Location	Chromosome: 11; NC_000011.9 (65554505..65564690). Location: 11q13
OMIM	602313
3D Structure	ModBase 3D Structure for O14753
Immunogen	Synthesized peptide derived from N-terminal of human OVOL1.
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-OVOL1 antibody	Most Applications
Application Notes for anti-OVOL1 antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-OVOL1 antibody	Putative transcription factor. Involved in hair formation and spermatogenesis. May function in the differentiation and/or maintenance of the urogenital system by similarity.
Other Notes	Small volumes of anti-OVOL1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for OVOL1 purchase	MBS9444502 is an antibody targeting OVOL1. Also known as OVOL1 Conjugated Antibody. Reactive in Human, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OVOL1. It may not necessarily be applicable to this product.

NCBI GI #	38570158
NCBI GeneID	5017
NCBI Accession #	NP_004552.2
UniProt Primary Accession #	O14753
UniProt Secondary Accession #	Q6PCB1
UniProt Related Accession #	O14753
GenBank Nucleotide #	NM_004561.3
NCBI Official Full Name	putative transcription factor Ovo-like 1
NCBI Official Synonym Full Names	ovo-like 1(Drosophila)
NCBI Official Symbol	OVOL1
NCBI Official Synonym Symbols	HOVO1
UniProt Protein Name	Putative transcription factor Ovo-like 1
Protein Family	Putative transcription factor
UniProt Gene Name	OVOL1
UniProt Synonym Gene Names	hOvo1
UniProt Entry Name	OVOL1_HUMAN
NCBI Protein Information	putative transcription factor Ovo-like 1; ovo homolog-like 1
NCBI Summary for OVOL1	This gene encodes a putative zinc finger containing transcription factor that is highly similar to homologous protein in Drosophila and mouse. Based on known functions in these species, this protein is likely involved in hair formation and spermatogenesis in human as well. [provided by RefSeq, Aug 2011]
UniProt Comments for OVOL1	OVOL1: Putative transcription factor. Involved in hair formation and spermatogenesis. May function in the differentiation and/or maintenance of the urogenital system. Protein type: Transcription factor; C2H2-type zinc finger protein; DNA-binding Chromosomal Location of Human Ortholog: 11q13 Cellular Component: nucleus Molecular Function: metal ion binding Biological Process: transcription from RNA polymerase II promoter; skin development; epidermal cell differentiation; mesoderm development; spermatogenesis; cytoskeleton organization and biogenesis; negative regulation of transcription from RNA polymerase II promoter; kidney development; germline cell cycle switching, mitotic to meiotic cell cycle
Research Articles on OVOL1	**1.** Molecular phylogeny of OVOL1, OVOL2 and OVOL3 genes illustrates a conserved C2H2 zinc finger domain coupled by hypervariable unstructured regions in humans and other species
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