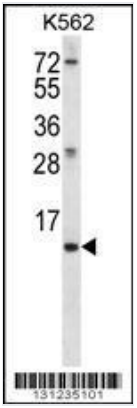
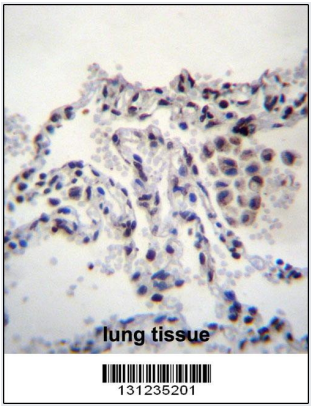
# MEIG1 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

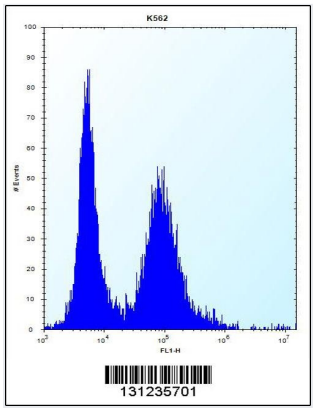
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|---|---|
| **Product Name** | MEIG1, Polyclonal Antibody |
| **Full Product Name** | MEIG1, ID (MEIG1, Meiosis expressed gene 1 protein homolog) (Biotin) |
| **Product Gene Name** | anti-MEIG1 antibody |
| **Product Synonym Names** | MEIG1; Meiosis expressed gene 1 protein homolog |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human |
| **Form/Format** | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin. |
| **Purity/Purification** | Purified by Protein A Affinity Chromatography. |
| **Preparation and Storage** | Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. |
| **Molecular Weight** | 10,795 Da |
| **OMIM** | 614174 |
| **3D Structure** | ModBase 3D Structure for Q5JSS6 |
| **Immunogen** | MEIG1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 35-65 amino acids from the Central region of human MEIG1. |
| **Conjugate** | Biotin |
| **Note** | Preservative Free |
| **Product Categories/Family for anti-MEIG1 antibody** | Antibodies; Proteins |
| **Applications Tested/Suitable for anti-MEIG1 antibody** | Flow Cytometry (FC/FACS), ELISA (EIA), Immunohistochemistry (IHC), Western Blot (WB) |
| **Application Notes for anti-MEIG1 antibody** | FC/FACS: 1:10-50<br>ELISA: 1:1,000<br>IHC: 1:10-50<br>WB: 1:100-500<br>Applications are based on unconjugated antibody. |
| **Related Product Information for anti-MEIG1 antibody** | MBS6320157 is an antibody targeting MEIG1. Also known as MEIG1, ID (MEIG1, Meiosis expressed gene 1 protein homolog) (Biotin). Reactive in Human. Host: Rabbit. MEIG1 may be involved in germ cell differentiation (By similarity). |
| **Product References and Citations for anti-MEIG1 antibody** | Harrington, J.J., et al. Nat. Biotechnol. 19(5):440-445(2001). |
| **Other Notes** | Small volumes of anti-MEIG1 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. |




**Western Blot (WB) of anti-MEIG1 antibody**
MEIG1 Antibody (Center) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the MEIG1 antibody detected the MEIG1 protein (arrow).




**Immunohistochemistry (IHC) of anti-MEIG1 antibody**
MEIG1 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human lung tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of MEIG1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.




**Flow Cytometry (FC/FACS) of anti-MEIG1 antibody**
MEIG1 Antibody (Center) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MEIG1. It may not necessarily be applicable to this product.

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|---|---|
| **NCBI GI #** | 124249370 |
| **NCBI GeneID** | 644890 |
| **NCBI Accession #** | NP_001074305.1 |
| **UniProt Primary Accession #** | Q5JSS6 |
| **UniProt Related Accession #** | Q5JSS6 |
| **GenBank Nucleotide #** | NM_001080836.2 |
| **NCBI Official Full Name** | meiosis expressed gene 1 protein homolog |
| **NCBI Official Synonym Full Names** | meiosis/spermiogenesis associated 1 |
| **NCBI Official Symbol** | MEIG1 |
| **NCBI Official Synonym Symbols** | SPATA39; bA2K17.3 |
| **UniProt Protein Name** | Meiosis expressed gene 1 protein homolog |
| **Protein Family** | Meiosis expressed gene 1 protein |
| **UniProt Gene Name** | MEIG1 |

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| **UniProt Entry Name** | MEIG1_HUMAN |
| **NCBI Protein Information** | meiosis expressed gene 1 protein homolog; spermatogenesis associated 39; meiosis expressed gene 1 homolog |
| **UniProt Comments for MEIG1** | MEIG1: Essential for spermiogenesis. Belongs to the MEIG1 family.<br><br>Chromosomal Location of Human Ortholog: 10p13<br><br>Cellular Component: nucleus<br><br>Biological Process: spermatogenesis; cell differentiation |
| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
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