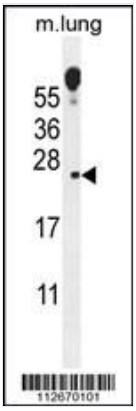
# ECOP Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | ECOP, Polyclonal Antibody |
| **Full Product Name** | ECOP, ID (VOPP1, ECOP, GASP, Vesicular, overexpressed in cancer, prosurvival protein 1, EGFR-coamplified and overexpressed protein, Glioblastoma-amplified secreted protein, Putative NF-kappa-B-activating protein 055N) (AP) |
| **Product Gene Name** | anti-ECOP antibody |
| **Product Synonym Gene Name** | VOPP1 |
| **Product Synonym Names** | VOPP1; ECOP; GASP; Vesicular; overexpressed in cancer; prosurvival protein 1; EGFR-coamplified and overexpressed protein; Glioblastoma-amplified secreted protein; Putative NF-kappa-B-activating protein 055N |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Mouse |
| **Form/Format** | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP). |
| **Purity/Purification** | Purified by Protein A Affinity Chromatography. |
| **Preparation and Storage** | Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. 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 prior to removing the cap. |
| **Molecular Weight** | 17,381 Da |
| **OMIM** | 611915 |
| **3D Structure** | ModBase 3D Structure for Q96AW1 |
| **Immunogen** | ECOP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 72-103 amino acids from the Central region of human ECOP. |
| **Conjugate** | AP |
| **Note** | Preservative Free |
| **Product Categories/Family for anti-ECOP antibody** | Antibodies; Cancer Markers |
| **Applications Tested/Suitable for anti-ECOP antibody** | Western Blot (WB), ELISA (EIA) |
| **Application Notes for anti-ECOP antibody** | WB: 1:100-500<br>ELISA: 1:1,000<br>Applications are based on unconjugated antibody. |
| **Related Product Information for anti-ECOP antibody** | Increases the transcriptional activity of NFKB1 by facilitating its nuclear translocation, DNA-binding and associated apoptotic response, when overexpressed. |
| **Product References and Citations for anti-ECOP antibody** | Yoshida, T., et al. Int. J. Mol. Med. 25(4):649-656(2010). Oguri, M., et al. Am. J. Hypertens. 23(1):70-77(2010). Baras, A., et al. Oncogene 28(32):2919-2924(2009). Chechlinska, M., et al. BMC Genomics 10, 261 (2009): Brem, H., et al. Mol. Med. 13 (1-2), 30-39 (2007). |

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| **Other Notes** | Small volumes of anti-ECOP 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 ECOP purchase** | MBS6294258 is an antibody targeting ECOP. Also known as ECOP, ID (VOPP1, ECOP, GASP, Vesicular, overexpressed in cancer, prosurvival protein 1, EGFR-coamplified and overexpressed protein, Glioblastoma-amplified secreted protein, Putative NF-kappa-B-activating protein 055N) (AP). Reactive in Mouse. Host: Rabbit. |




**Western Blot (WB) of anti-ECOP antibody**
ECOP Antibody (Center) western blot analysis in mouse lung tissue lysates (35ug/lane).This demonstrates the ECOP antibody detected the ECOP protein (arrow).

## ADDITIONAL DETAILS

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

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| **NCBI GI #** | 106507239 |
| **NCBI GeneID** | 81552 |
| **NCBI Accession #** | NP_110423.3 |
| **UniProt Primary Accession #** | Q96AW1 |
| **UniProt Secondary Accession #** | Q6FIE3; Q8NBN8; Q96RE5; Q9H0W4; B0AZU1; B2RAT4; B3KS72; C9JWR3 |
| **UniProt Related Accession #** | Q96AW1 |
| **GenBank Nucleotide #** | NM_030796.3 |
| **NCBI Official Full Name** | vesicular, overexpressed in cancer, prosurvival protein 1 isoform 1 |
| **NCBI Official Synonym Full Names** | vesicular, overexpressed in cancer, prosurvival protein 1 |
| **NCBI Official Symbol** | VOPP1 |
| **NCBI Official Synonym Symbols** | ECOP; GASP |
| **UniProt Protein Name** | Vesicular, overexpressed in cancer, prosurvival protein 1 |
| **UniProt Synonym Protein Names** | EGFR-coamplified and overexpressed protein; ECop; Glioblastoma-amplified secreted protein; Putative NF-kappa-B-activating protein 055N |
| **Protein Family** | Vesicular, overexpressed in cancer, prosurvival protein |
| **UniProt Gene Name** | VOPP1 |
| **UniProt Synonym Gene Names** | ECOP; GASP; ECop |
| **UniProt Entry Name** | VOPP1_HUMAN |
| **NCBI Protein Information** | vesicular, overexpressed in cancer, prosurvival protein 1; hypothetical protein DKFZp564K0822; Glioblastoma-amplified secreted protein; EGFR-coamplified and overexpressed protein; putative NF-kappa-B-activating protein 055N |

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| **UniProt Comments for ECOP** | ECOP: Increases the transcriptional activity of NFKB1 by facilitating its nuclear translocation, DNA-binding and associated apoptotic response, when overexpressed. Belongs to the VOPP1/ECOP family. 3 isoforms of the human protein are produced by alternative splicing.<br><br>Protein type: Membrane protein, integral<br><br>Chromosomal Location of Human Ortholog: 7p11.2<br><br>Cellular Component: cytoplasmic vesicle membrane; endosome<br><br>Molecular Function: signal transducer activity<br><br>Biological Process: regulation of transcription, DNA-dependent; transcription, DNA-dependent; signal transduction |
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