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ECOP Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11197c

Product Information

Application	WB, E
Primary Accession	Q96AW1
Other Accession	A6QNZ8, NP_110423.3
Reactivity	Human, Mouse
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB12670
Calculated MW	19224
Antigen Region	65-95

Additional Information

Gene ID	81552
Other Names	Vesicular, overexpressed in cancer, prosurvival protein 1, EGFR-coamplified and overexpressed protein, ECop, Glioblastoma-amplified secreted protein, Putative NF-kappa-B-activating protein 055N, VOPP1, ECOP, GASP
Target/Specificity	This ECOP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 65-95 amino acids from the Central region of human ECOP.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ECOP Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	VOPP1 (HGNC:34518)
Synonyms	ECOP, GASP

Function	Increases the transcriptional activity of NFKB1 by facilitating its nuclear translocation, DNA-binding and associated apoptotic response, when overexpressed (PubMed:15735698). May sequester WWOX in lysosomal vesicles and thereby regulate WWOX role as tumor suppressor (PubMed:30285739).
Cellular Location	Cytoplasmic vesicle membrane; Single-pass type I membrane protein. Late endosome membrane; Single-pass membrane protein. Lysosome membrane; Single-pass membrane protein. Note=When overexpressed, localizes in the nucleus and perinuclear regions.
Tissue Location	Widely expressed with highest levels in thymus and ovary.

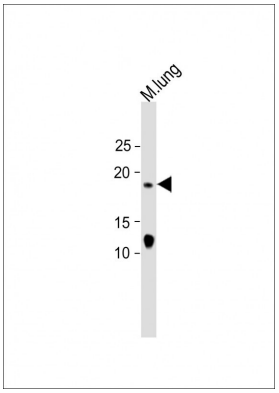
Background

Increases the transcriptional activity of NFKB1 by facilitating its nuclear translocation, DNA-binding and associated apoptotic response, when overexpressed.

References

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) :

Images



All lanes : Anti-ECOP Antibody (Center) at 1:500 dilution + mouse lung lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 17 kDa Blocking/Dilution buffer: 5% NFDM/TBST.