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RABBIT ANTI-APG9 L2 POLYCLONAL ANTIBODY

- CATALOG NUMBER:** AB15407
- LOT NUMBER:**
- QUANTITY:** 50 μ L
- SPECIFICITY:** APG9 L2 [Autophagy 9-like 2 protein, SONE].
- BACKGROUND:** Autophagy is the process by which cells recycle cytoplasm and dispose of excess or defective organelles. This process is suggested to be involved development, differentiation, growth regulation and tissue remodeling in multicellular organisms. The APG9 protein in yeast was shown to be essential for the cytoplasm to vacuole targeting (Cvt) pathway and autophagy. The APG9 L2 and APG9 L1 genes were found to be functionally orthologous to the yeast APG9 gene. The former shown to be an animal vertebrate specific gene which may have critical mammalian-specific roles in development events.
- IMMUNOGEN:** Synthetic peptide corresponding to a region within the C-terminus of human APG9 L2 protein.
- APPLICATIONS:** Western blot: 1:200-1:2,000
Immunocytochemistry: 1:200-1:2,000
Immunohistochemistry: 1:200-1:2,000
Optimal working dilutions must be determined by end user.
- SPECIES REACTIVITIES:** Human and rat. Other species have not yet been tested.
- FORMAT:** Rabbit serum.
- PRESENTATION:** Lyophilized. Reconstitute with 50 μ L of sterile distilled water. Centrifuge to remove any insoluble material. Contains no preservative.
- STORAGE/HANDLING:** Maintain lyophilized material frozen at -20°C to -70°C for up to 12 months after date of receipt. After reconstitution maintain at -20°C in undiluted aliquots for up to 6 months. Avoid repeated freeze/thaw cycles. Glycerol (1:1, ACS or better grade) can be added for additional stability.
- RELATED REFERENCE:** Yamada T, Carson AR, Caniggia I, Umebayashi K, Yoshimori T, Nakabayashi K, Scherer SW (2005). Endothelial nitric-oxide synthase antisense (NOS3AS) gene encodes an autophagy-related protein (APG9-like2) highly expressed in trophoblast. *J Biol Chem.* **280** (18) pp. 18283-18290.

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