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36-3596: Anti-ATG5 (Autophagy Marker) Monoclonal Antibody(Clone: rATG5/2553)

Clonality: Monoclonal rATG5/2553 Clone Name:

Application: IHC Reactivity: Human Gene: ATG5 Gene ID: 9474 **Uniprot ID:** Q9H1Y0

APG5 autophagy 5 like (APG5L); Apoptosis-specific protein (ASP); ATG5; Autophagy related 5; **Alternative Name:**

hAPG5

Isotype: Mouse IgG1, kappa

Immunogen Information: Recombinant fragment of human ATG5 protein (around aa 1-119) (exact sequence is proprietary)

Description

The protein encoded by this gene, in combination with autophagy protein 12, functions as an E1-like activating enzyme in a ubiquitin-like conjugating system. The encoded protein is involved in several cellular processes, including autophagic vesicle formation, mitochondrial quality control after oxidative damage, negative regulation of the innate antiviral immune response, lymphocyte development and proliferation, MHC II antigen presentation, adipocyte differentiation, and apoptosis. The ATG5 protein is essential for autophagy; a process that is usually beneficial for cells to self-degrade their own components when they are no longer useful.

Product Info

Amount: 20 μg / 100 μg

200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with Content:

0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is Storage condition:

stable for 24 months. Non-hazardous.

Application Note

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 min at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);

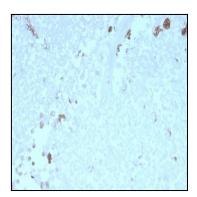


Fig. 1: Formalin-fixed, paraffin-embedded human Uterus stained with ATG5 Mouse Monoclonal Antibody (rATG5/2553).