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11-10020: Polyclonal Antibody to APG16L

Clonality: Polyclonal Application: WB

Reactivity: Human
Gene: ATG16L1
Gene ID: 55054
Uniprot ID: Q676U5
Format: Purified

Alternative Name: ATG16L1,APG16L,UNQ9393/PRO34307

Isotype: Rabbit IgG

Immunogen Information: A partial length recombinant APG16L protein (amino acids 35-260) was used as the

immunogen for this antibody.

Description

ATG16L1/APG16L is part of a large protein complex that functions as a molecular scaffold mediating protein-protein interactions necessary for formation of the autophagosome in response to both classical and pathogen-related autophagy stimuli. APG16L protein contains an N-terminal Atg5-binding domain, a coiled-coil domain and a C-terminal WD (tryptophanaspartic acid)-repeat domain. APG16L forms a complex with the Atg12 Atg5 conjugate and together they are actively translocated to the phagophore and are further elongated during autophagosome formation. Genetic variation in the APG16L gene has been recently implicated in Crohn's disease pathogenesis. Polymorphism within APG16L gene results in excessive production of IL-1beta and IL-6 culmunating in the inflammatory process in Crohn's disease.

Product Info

Amount : 25 μg / 100 μg

Purification: Protein A Chromatography

Content: 25 μg in 50 μl/100 μg in 200 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium

azide is highly toxic.

Storage condition : Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid

repeated freeze and thaw cycles.

Application Note

Western blot analysis: 2-4 µg/ml

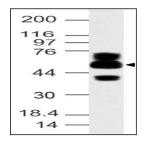


Fig-1: Western blot analysis of APG16L. Anti-APG16L antibody (11-10020) was used at 4 μ g/ml on Spleen lysate.