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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 (tryptophan-aspartic 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

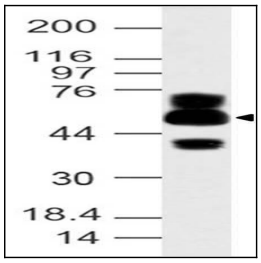

Fig-1: Western blot analysis of APG16L. Anti-APG16L antibody (11-10020) was used at 4 µg/ml on Spleen lysate.

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