Synaptic Systems

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RNF 126

Cat.No. 426 003; Polyclonal rabbit antibody, 50 µg specific antibody (lyophilized)

Data Sheet

Reconstitution/ Storage	50 µg specific antibody, lyophilized. Affinity purified with the immunogen. Albumin and azide were added for stabilization. For reconstitution add 50 µl H_2O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	**WB**: 1 : 1000 up to 1 : 5000 AP staining **IP**: not tested yet **ICC**: not tested yet **IHC**: not tested yet **IHC-P/FFPE**: not tested yet
Immunogen	Recombinant protein corresponding to AA 1 to 100 from human RNF126 (UniProt Id: Q9BV68)
Reactivity	Reacts with: human (Q9BV68), rat (Q499Q1), mouse (Q91YL2). Other species not tested yet.
Specificity	Specific for RNF 126

TO BE USED IN VITRO / FOR RESEARCH ONLY
NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

RNF 126 is an E3 ubiquitin ligase that collaborates with the BAG6 sortase complex to ubiquitinate hydrophobic substrates in the cytoplasm that are targeted for proteasomal recycling.

It belongs to the family of RING E3 ligases and consists of an N-terminal zinc-finger and a C- terminal RING domain.

RNF 126 has also been shown to be involved in promotion of cancer growth.

Selected General References

Structural and functional insights into the E3 ligase, RNF126.
Krysztofinska EM, Martínez-Lumbreras S, Thapaliya A, Evans NJ, High S, Isaacson RL
Scientific reports (2016) 6: 26433.

E3 ubiquitin ligase RNF126 promotes cancer cell proliferation by targeting the tumor suppressor p21 for ubiquitin-mediated degradation.
Zhi X, Zhao D, Wang Z, Zhou Z, Wang C, Chen W, Liu R, Chen C
Cancer research (2013) 73(1): 385-94.