

Anti-SNAP29 Antibody [PSH01-76]

HA721728



Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Human
Applications:	WB
Molecular Wt:	Predicted band size: 29 kDa
Clone number:	PSH01-76

Description: SNAREs, soluble N-ethylmaleimide-sensitive factor-attachment protein receptors, are essential proteins for fusion of cellular membranes. SNAREs localized on opposing membranes assemble to form a trans-SNARE complex, an extended, parallel four alpha-helical bundle that drives membrane fusion. SNAP29 is a SNARE involved in autophagy through the direct control of autophagosome membrane fusion with the lysosome membrane. Also plays a role in ciliogenesis by regulating membrane fusions.

Immunogen: Recombinant protein within human SNAP29 aa 1-258 / 258.

Positive control: HEK-293 cell lysate, HeLa cell lysate, Jurkat cell lysate, A549 cell lysate, U-87 MG cell lysate.

Subcellular location: Cytoplasm, Golgi apparatus membrane, Cytoplasmic vesicle, autophagosome membrane, Cell projection, cilium membrane.

Database links: SwissProt: O95721 Human

Recommended Dilutions:

WB 1:1,000

Storage Buffer: PBS (pH7.4), 0.1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Shipped at 4°C. Store at +4°C short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20°C long term.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders: 0086-571-88062880

Technical: 0086-571-89986345

Service mail: support@huabio.cn

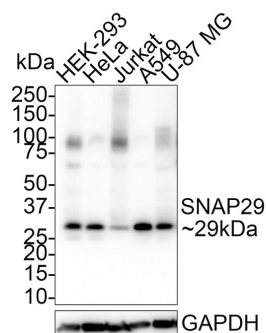
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Applications: WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

Images

Fig1: Western blot analysis of SNAP29 on different lysates with Rabbit anti-SNAP29 antibody (HA721728) at 1/1,000 dilution.

Lane 1: HEK-293 cell lysate
 Lane 2: HeLa cell lysate
 Lane 3: Jurkat cell lysate
 Lane 4: A549 cell lysate
 Lane 5: U-87 MG cell lysate



Lysates/proteins at 40 µg/Lane.

Predicted band size: 29 kDa
 Observed band size: 29 kDa

Exposure time: 5 minutes 10 seconds;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (HA721728) at 1/1,000 dilution was used in 5% NFDM/TBST at 4°C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1/50,000 dilution was used for 1 hour at room temperature.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Hou P, et al. 2023. The ORF7a protein of SARS-CoV-2 initiates autophagy and limits autophagosome-lysosome fusion via degradation of SNAP29 to promote virus replication. *Autophagy*. 19(2):551-569.
2. Zhou F, et al. 2018. Down-regulation of OGT promotes cisplatin resistance by inducing autophagy in ovarian cancer. *Theranostics*. 8(19):5200-5212.

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