

Anti-ELKS Antibody [PSH17-33]

HA723916



Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Human, Mouse, Rat
Applications:	WB
Molecular Wt:	Predicted band size: 128 kDa
Clone number:	PSH17-33

Description: ELKS/RAB6-interacting/CAST family member 1 is a protein that in humans is encoded by the ERC1 gene. The name ELKS is derived from "protein rich in the amino acids E, L, K and S". The protein encoded by this gene is a member of a family of RIM-binding proteins. RIMs are active zone proteins that regulate neurotransmitter release. This gene has been found fused to the receptor-type tyrosine kinase gene RET by gene rearrangement due to the translocation t(10;12)(q11;p13). Multiple transcript variants encoding different isoforms have been found for this gene. ELKS has been reported to direct vesicles with RAB6A to melanosomes.

Immunogen: Recombinant protein within human ELKS aa 1-450.

Positive control: HeLa cell lysate, Huh7 cell lysate, U-87 MG cell lysate, NIH/3T3 cell lysate, Neuro-2a cell lysate, PC-12 cell lysate, C6 cell lysate, Mouse brain tissue lysate, Mouse testis tissue lysate, Mouse kidney tissue lysate, Rat brain tissue lysate, Rat testis tissue lysate, Rat kidney tissue lysate.

Subcellular location: Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, Membrane, Golgi apparatus membrane, Presynaptic cell membrane, Cell projection, podosome.

Database links: SwissProt: Q8IUD2 Human | Q99MI1 Mouse | Q811U3 Rat

Recommended Dilutions:

WB 1:5,000

Storage Buffer: 1*PBS (pH7.4), 0.1% BSA, 40% Glycerol, 0.2% Proclean 950.

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

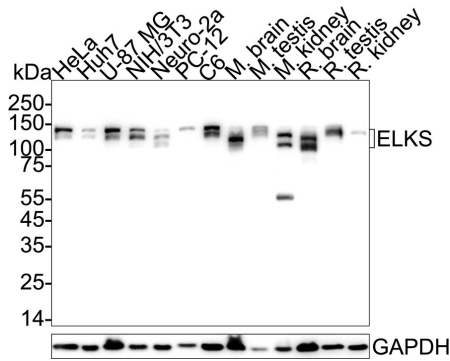
Technical:0086-571-89986345

Service mail:support@huabio.cn

 华安生物
HUABIO
www.huabio.cn

Images

Fig1: Western blot analysis of ELKS on different lysates with Rabbit anti-ELKS antibody (HA723916) at 1/5,000 dilution.



Lane 1: HeLa cell lysate (20 µg/Lane)
 Lane 2: Huh7 cell lysate (20 µg/Lane)
 Lane 3: U-87 MG cell lysate (20 µg/Lane)
 Lane 4: NIH/3T3 cell lysate (20 µg/Lane)
 Lane 5: Neuro-2a cell lysate (20 µg/Lane)
 Lane 6: PC-12 cell lysate (20 µg/Lane)
 Lane 7: C6 cell lysate (20 µg/Lane)
 Lane 8: Mouse brain tissue lysate (40 µg/Lane)
 Lane 9: Mouse testis tissue lysate (40 µg/Lane)
 Lane 10: Mouse kidney tissue lysate (40 µg/Lane)
 Lane 11: Rat brain tissue lysate (40 µg/Lane)
 Lane 12: Rat testis tissue lysate (40 µg/Lane)
 Lane 13: Rat kidney tissue lysate (40 µg/Lane)

Predicted band size: 128 kDa

Observed band size: 120/130 kDa

Exposure time: 20 seconds; ECL: K1801;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDN/TBST for 1 hour at room temperature. The primary antibody (HA723916) at 1/5,000 dilution was used in primary antibody dilution (K1803) 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. Ghelani T et al. Interactive nanocluster compaction of the ELKS scaffold and Cacophony Ca(2+) channels drives sustained active zone potentiation. *Sci Adv.* 2023 Feb
2. Liang M et al. Oligomerized liprin-alpha promotes phase separation of ELKS for compartmentalization of presynaptic active zone proteins. *Cell Rep.* 2021 Mar

Hangzhou Huan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

华安生物
HUABIO
www.huabio.cn