

QKI-6 Recombinant Antibody [PSH10-23] - Rabbit IgG (Chimeric) - BSA and Azide free

HA751497



<b>Product Type:</b>	Recombinant Chimeric Antibody, primary antibodies
<b>Species reactivity:</b>	Mouse, Rat
<b>Applications:</b>	IHC-Fr, IHC-P, WB
<b>Molecular Wt:</b>	Predicted band size: 35 kDa
<b>Clone number:</b>	PSH10-23

**Description:** Quaking homolog, KH domain RNA binding (mouse), also known as QKI, is a protein which in humans is encoded by the QKI gene. QKI belongs to a family of RNA-binding proteins called STAR proteins for Signal Transduction and Activation of RNA. They have an HNRNPK homology (KH) domain embedded in a 200-amino acid region called the GSG domain. Other members of this family include SAM68 (KHDRBS1) and SF1. Two more new members are KHDRBS3 and KHDRBS2. The QKI gene is implicated as being important in schizophrenia, and QKI controls translation of many oligodendrocyte-related genes.

**Immunogen:** Synthetic peptide within human QKI-6 aa 281-319 / 319.

**Positive control:** Mouse cerebellum tissue, Rat cerebellum tissue, Mouse brain tissue lysate, Rat brain tissue lysate.

**Subcellular location:** Cytoplasm, cytosol, Nucleus.

**Database links:** SwissProt: Q96PU8-9 Human | Q9QYS9 Mouse | Q91XU1 Rat

**Recommended Dilutions:**

IHC-Fr	1:500
IHC-P	1:5,000
WB	1:5,000

**Storage Buffer:** 1\*PBS (pH7.4).

**Storage Instruction:** Store at +4°C after thawing. Aliquot store at -20°C. Avoid repeated freeze / thaw cycles.

**Purity:** Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

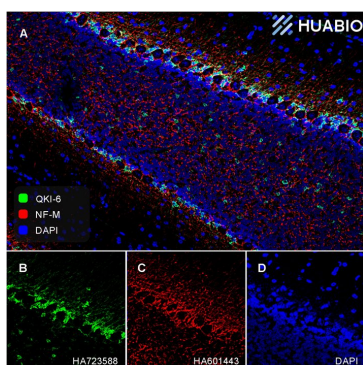
Orders:0086-571-88062880

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Service mail:support@huabio.cn

  
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## Images

**Fig1:** Application: IHC-Fr

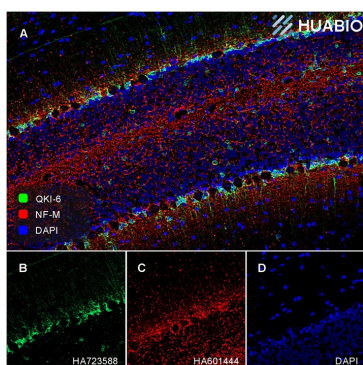
Species: Mouse

Site: cerebellum

Sample: Frozen section

Antibody concentration: 1/500 (QKI-6, HA751497, Rabbit, green);  
1/500 (NF-M, HA601443, Mouse, red)

Antigen retrieval: Not required

**Fig2:** Application: IHC-Fr

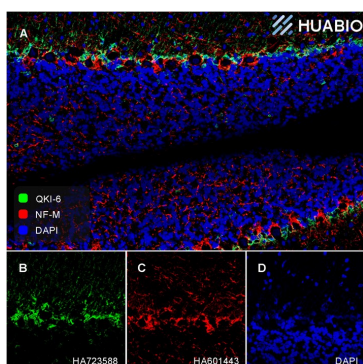
Species: Mouse

Site: cerebellum

Sample: Frozen section

Antibody concentration: 1/500 (QKI-6, HA751497, Rabbit, green);  
1/500 (NF-M, HA601444, Guinea pig, red)

Antigen retrieval: Not required

**Fig3:** Application: IHC-Fr

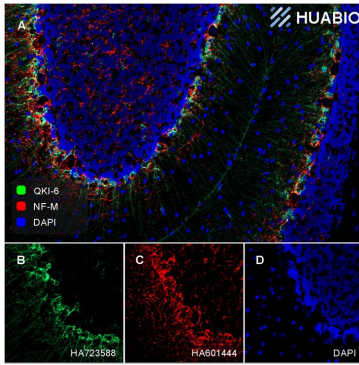
Species: Rat

Site: cerebellum

Sample: Frozen section

Antibody concentration: 1/500 (QKI-6, HA751497, Rabbit, green);  
1/500 (NF-M, HA601443, Mouse, red)

Antigen retrieval: Not required



**Fig4:** Application: IHC-Fr

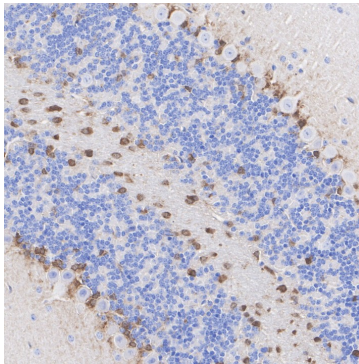
Species: Rat

Site: cerebellum

Sample: Frozen section

Antibody concentration: 1/500 (QKI-6, HA751497, Rabbit, green);  
1/500 (NF-M, HA601444, Guinea pig, red)

Antigen retrieval: Not required



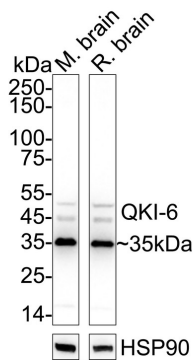
**Fig5:** Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue with Rabbit anti-QKI-6 antibody (HA751497) at 1/5,000 dilution.

The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (HA751497) at 1/5,000 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.

**Fig6:** Western blot analysis of QKI-6 on different lysates with Rabbit anti-QKI-6 antibody (HA751497) at 1/5,000 dilution.

Lane 1: Mouse brain tissue lysate

Lane 2: Rat brain tissue lysate



Lysates/proteins at 20 µg/Lane.

Predicted band size: 35 kDa

Observed band size: 35 kDa

Exposure time: 10 seconds; ECL: K1801;

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 (HA751497) 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.

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

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### Background References

1. Zhao Z et al. QKI shuttles internal m(7)G-modified transcripts into stress granules and modulates mRNA metabolism. *Cell*. 2023 Jul
2. Suh YY et al. MYB/MYBL1::QKI fusion-positive diffuse glioma. *J Neuropathol Exp Neurol*. 2023 Feb

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