

Rabbit SHISA7 Polyclonal Antibody | anti-SHISA7 antibody

Anti-SHISA7 Antibody

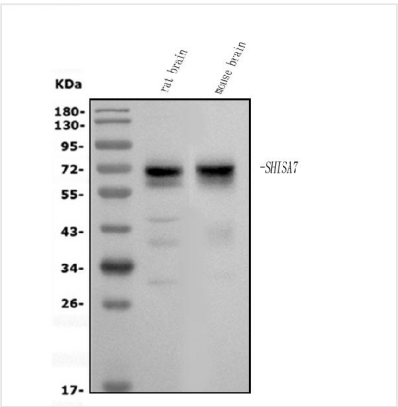
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125826	Rabbit	Human, Mouse, Rat	ELISA, Western Blot

PRODUCT SYNONYMS

SHISA7; Polyclonal Antibody; Anti-SHISA7 Antibody; Protein shisa-7; Cystine-knot AMPAR modulating protein of 59 kDa; CKAMP59; GABA(A) receptor auxiliary subunit Shisa7; Protein shisa-6-like; shisa family member 7; anti-SHISA7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.01mg NaN3.
Applicable Applications for anti-SHISA7 antibody	ELISA (Direct ELISA), WB (Western Blot)
Immunogen	E Coli-derived human SHISA7 recombinant protein (Position: Y308-E535).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Recommended Detection Systems	Recommended Detection Systems Lab recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG for Western blot.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



WB (Western Blot)
Figure 1. Western blot analysis of SHISA7 using anti-SHISA7 antibody (AAA125826). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: rat brain tissue lysates. Lane 2: mouse brain tissue lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-SHISA7 antigen affinity purified polyclonal antibody with Tanon 5200 system. A specific band was detected for SHISA7 at approximately 70KD. The expected band size for SHISA7 is at 70KD.

ADDITIONAL INFORMATION

Related Product Information for anti-SHISA7 antibody	Shisa7, a single-passing transmembrane protein, localizes at GABAergic inhibitory synapses and interacts with GABA-A receptors. Shisa7 controlled receptor abundance at synapses and sped up the channel deactivation kinetics. Shisa7 also potentially enhanced the action of diazepam, a classic benzodiazepine, on GABA-A receptors. Genetic deletion of Shisa7 selectively impaired GABAergic transmission and diminished the effects of diazepam in mic
References	1. Han, W., Li, J., Pelkey, K. A., Pandey, S., Chen, X., Wang, Y. -X., Wu, K., Ge, L., Li, T., Castellano, D., Liu, C., Wu, L. -G., Petralia, R. S., Lynch, J. W., McBain, C. J., Lu, W. Shisa7 is a GABAA receptor auxiliary subunit controlling benzodiazepine actions. Science 366: 246-250, 2019. 2. Hartz, P. A. Personal Communication. Baltimore, Md. 1/30/2017. 3. Pei, J., Grishin, N. V. Unexpected diversity in Shisa-like proteins suggests the importance of their roles as transmembrane adaptors. Cell. Signal. 24: 758-769, 2012.

NCBI AND UNIPROT INFORMATION

NCBI GI #	223633890
NCBI GeneID	729956
NCBI Accession #	NP_001138648.1
NCBI GenBank Nucleotide #	NM_001145176.1
UniProt Accession #	A6NL88
NCBI Official Full Name	protein shisa-7
NCBI Official Synonym Full Names	shisa family member 7
NCBI Official Symbol	SHISA7
NCBI Protein Information	protein shisa-7
UniProt Protein Name	Protein shisa-7
UniProt Gene Name	SHISA7

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/shisa7-antibody-direct-elisa-western-blot-elisa/125826>