Rabbit polyclonal antibody to mouse eIF2c (Ago2) protein (845-860): Affinity purified

Catalogue No.:	R-1556-100
Description:	The eIF2c (Argonaute, Ago) protein is a core protein of the RNA-induced silencing complex (RISC).
Batch No.:	See product label
Unit size:	100 µl
Antigen:	A synthetic peptide corresponding to a sequence (845-860 aa) from the C-terminus of mouse eIF2C conjugated to KLH.
Sequence:	C-KAVQVHQDTLRTMYFA
Antigen Location:	845-860 aa (eIF-2C 2)
Other Names:	Protein argonaute-1; Protein argonaute-2; Protein argonaute-3; Argonaute1; Argonaute2; Argonaute3; mAgo1; mAgo2; Eukaryotic translation initiation factor 2C; eIF-2C 2; eIF-2C 1; eIF2C 2; Piwi/argonaute family protein meIF2C2 Protein slicer; Eif2c2; Ago1; Ago2;
Accession:	Q8CJG0 AG02_MOUSE;
Produced in:	Rabbit
Applications:	Western Blotting (WB), Immunochemistry (IHC) and Immunoprecipitation (IP). The recommended concentration for IHC in formalin fixed and paraffin embedded tissues and formalin/acetone fixed tissues is 1:200-1:500. For WB, the recommended concentration is 1:1,000 to 1:2,000. The eIFC2 protein has a predicted length of 860 residues and the MW of the monomer is 94 kDa. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	Specificity has been confirmed by IHC, WB and IP in mouse brain. This antibody is expected to recognise at least eIF2c-1, 2 and 3 since they have identical C-termini.
Cross-reactivity:	Human; mouse; rat; The Ago proteins are highly conserved so cross-reactivity with other species is expected.
Form:	Lyophilised from PBS
Reconstitution:	Reconstitute in 100 µl of sterile water. Centrifuge to remove any insoluble material.
Storage:	At least 12 months after purchase at 2 - 4°C (lyophilized formulations). After reconstitution, aliquot and store at -20°C for a higher stability and at 4°C with an appropriate antibacterial agent. Avoid freeze-thaw cycles.
Expiry Date:	12 months after purchase
Specific References:	Huang KL, Chadee AB, Chen CY, Zhang Y, Shyu AB. (2013)"Phosphorylation at intrinsically disordered regions of PAM2 motif-containing proteins modulates their interactions with PABPC1 and influences mRNA fate." RNA. 2013 Jan 22. [Epub ahead of print]. Lugli G. et al (2008) Expression of microRNAs and their precursors in synaptic fractions of adult

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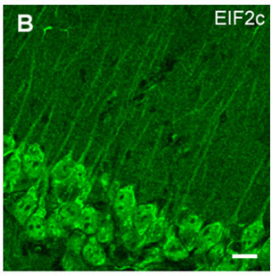
mouse forebrain.
J Neurochem. Jul;106(2):650-61.
Lugli G. et al (2005) Dicer and eIF2c are enriched at postsynaptic densities in adult mouse brain and are modified by neuronal activity in a calpain-dependent manner.
J Neurochem. Aug;94(4):896-905.



Immunohistochemical staining with Rabbit polyclonal antibody to mouse eIF2c (R-1556-100) in (B) mouse hippocampal area. Fixed (4% paraformaldehyde) mouse brain free floating sections were incubated with R-1556-100 at 1µg/ml overnight followed by incubation with fluoroscein donkey anti-rabbit IgG conjugate at a dilution of 1:100. Scale bar = 20µm.

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