

AGO1 Polyclonal Antibody

Catalog No.	A6022	Category	Polyclonal Antibodies
Applications	WB	Observed MW	110kDa
Cross-reactivity	Human, Mouse	Calculated MW	97kDa

Immunogen Information

Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-180 of human AGO1 (NP_036331.1).
Gene ID	26523
Swiss prot	Q9UL18
Synonyms	AGO1; EIF2C; EIF2C1; GERP95; Q99; hAgo1; prote in argonaute-1

Product information

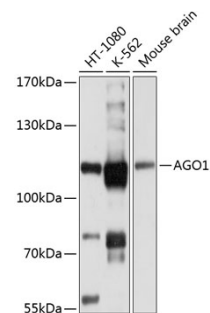
Source	Rabbit
Isotype	IgG
Purification method	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Background

This gene encodes a member of the argonaute family of proteins, which associate with small RNAs and have important roles in RNA interference (RNAi) and RNA silencing. This protein binds to microRNAs (miRNAs) or small interfering RNAs (siRNAs) and represses translation of mRNAs that are complementary to them. It is also involved in transcriptional gene silencing (TGS) of promoter regions that are complementary to bound short antisen RNA (agRNAs), as well as in the degradation of miRNA-bound mRNA targets. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. A recent study showed this gene to be an authentic stop codon readthrough target, and that its mRNA could give rise to an additional C-terminally extended isoform by use of an alternative in-frame translation termination codon.

Recommended Dilutions

WB 1:500 -
1:1000



Western blot - AGO1 Polyclonal Antibody (A6022)