

AGO1 Rabbit Polyclonal Antibody



CAB6022

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

110kDa

Calculated MW:

97kDa

Applications:

WB IP

Reactivity:

Human, Mouse, Rat

Antibody Information

Recommended dilutions:

WB 1:500 - 1:1000 IP 1:50 - 1:200

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Protein 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 antisense RNAs (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.

Immunogen information

Gene ID:

26523

Uniprot

Q9UL18

Synonyms:

AGO1; EIF2C; EIF2C1; GERP95; Q99; hAgo1

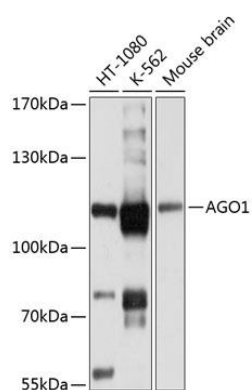
Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 1-180 of human AGO1 (NP_036331.1).

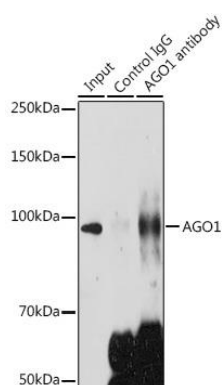
Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Product Images



Western blot analysis of extracts of various cell lines, using AGO1 antibody (CAB6022) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 60s.



Immunoprecipitation analysis of 600ug extracts of Mouse spleen cells using 3ug AGO1 antibody (CAB6022). Western blot was performed from the immunoprecipitate using AGO1 antibody (CAB6022) at a dilution of 1:500.