



Anti-AGO2 (full length) polyclonal antibody (DPAB-DC1358)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the Argonaute family of proteins which play a role in RNA interference. The encoded protein is highly basic, and contains a PAZ domain and a PIWI domain. It may interact with dicer1 and play a role in short-interfering-RNA-mediated gene silencing. Multiple transcript variants encoding different isoforms have been found for this gene.
Immunogen	EIF2C2 (AAH07633.1, 1 a.a. ~ 377 a.a) full-length recombinant protein with GST tag. The sequence is MPIQGQPCFCKYAQGADSVEPMFRHLKNTYAGLQLVVVILPGKTPVYAEVKRVGDTVLMG ATQCVQMKNVQRTTPQTLSNLCLKINVKLGGVNNILLPQGRPPVFQQPVIFLGADVTHPP AGDGKKPSIAAVVGSM DAHPNRYCATVRVQQHRQEIIQDLAAMVRELLIQFYKSTRFKPT RIIFYRDGVSEGQFQQVLHHELLAIREACIKLEKDYQPGITFIVVQKRHHTRLFCTDKNE RVGKSGNIPAGTTVDTKITHPTTEFDYLC SHAGIQGTSRPSHYHVLWDDNRFSSDELQIL TYQLCHTYVRCTRSVSIPAPAYY AHLVAFRARYHLVDKEHDSAEGSHTSGQSNGRDHQAL AKAVQVHQDTLRTMYFA
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	AGO2 argonaute RISC catalytic component 2 [Homo sapiens (human)]
Official Symbol	AGO2
Synonyms	AGO2; argonaute RISC catalytic component 2; Q10; EIF2C2; protein argonaute-2; PPD; hAgo2; eIF2C 2; eIF-2C 2; argonaute2; argonaute 2; protein slicer; PAZ Piwi domain protein; eukaryotic translation initiation factor 2C, 2;
Entrez Gene ID	27161
Protein Refseq	NP_001158095
UniProt ID	A4FVC0
Chromosome Location	8q24
Pathway	Adaptive Immune System; DAP12 interactions; Disease; Downstream signaling events of B Cell Receptor (BCR).
Function	RNA 7-methylguanosine cap binding; endoribonuclease activity; endoribonuclease activity, cleaving siRNA-paired mRNA; mRNA binding