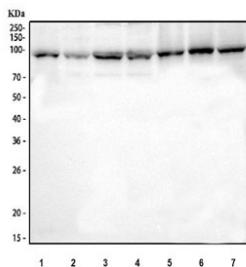


AGO2 Antibody / Argonaute 2 (R32463)

Catalog No.	Formulation	Size
R32463	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9UKV8
Applications	Western Blot : 0.5-1ug/ml
Limitations	This AGO2 antibody is available for research use only.



Western blot testing of 1) human Jurkat, 2) human 293T, 3) human K562, 4) human MCF7, 5) rat lung, 6) rat pancreas and 7) mouse pancreas tissue lysate with AGO2 antibody at 0.5ug/ml. Expected molecular weight ~97 kDa.

Description

Protein argonaute-2, also known as AGO2, is a protein that in humans is encoded by the EIF2C2 gene. 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.

Application Notes

Optimal dilution of the AGO2 antibody should be determined by the researcher.

Immunogen

Amino acids KVSIKWVSCVSLQALHDALSGRLPSVPFETIQALDVVMRHL from the human protein were used as the immunogen for the AGO2 antibody.

Storage

Prior to reconstitution, store at 4oC. After reconstitution, the AGO2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.