

ARGONAUTE 2 RABBIT MAB

Cat.#: N261867

Product Name: Anti-Argonaute 2 Rabbit Monoclonal Antibody

Synonyms: Ago 2; Argonaute 2; dAgo2; eIF2C 2; hAgo2; PPD

UNIPROT ID: Q9UKV8

Background: Required for RNA-mediated gene silencing (RNAi) by the RNA-induced silencing complex (RISC). Can also upregulate the translation of specific mRNAs under certain growth conditions. Binds to the AU element of the 3'-UTR of the TNF (TNF-alpha) mRNA and upregulates translation under conditions of serum starvation. Also required for transcriptional gene silencing (TGS), in which short RNAs known as antisenRNA or agRNAs direct the transcriptional repression of complementary promoter regions.

Immunogen: A synthetic peptide of human Argonaute-2

Applications: WB, ICC/IF, IP

Recommended Dilutions: WB: 1/500-1/1000 IF: 1/50-1/200 IP: 1/20

Host Species: Rabbit

Clonality: Rabbit Monoclonal

Clone ID: R04-5H0

MW: Calculated MW: 97 kDa; Observed MW: 97 kDa

Isotype: IgG

Purification: Affinity Purified

Species Reactivity: Human

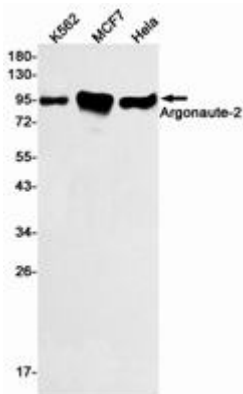
Conjugation: Unconjugated

Modification: Unmodified

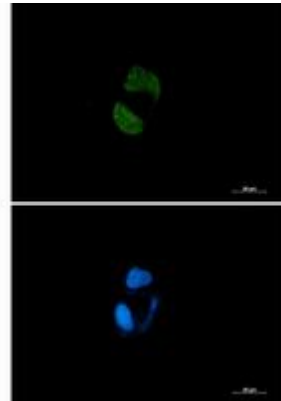
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

Research Areas: Epigenetics and Nuclear Signaling

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Western blot analysis of Argonaute2 in K562, MCF-7, HeLa lysates using Argonaute2 antibody.



Immunocytochemistry analysis of Argonaute 2 (green) in HCT116 using Argonaute 2 antibody, and DAPI(blue).