

Ago2 Monoclonal Antibody

ORDERING INFORMATION

Catalog no.: 70106

Format: 200ug lyophilized from purified antibody in 10mM PBS, pH 7.4, 1.0% bovine serum albumin (BSA).

BACKGROUND

The human Argonaute2 protein (Ago2) is a key player in RNA interference pathway, and small RNA recognition by Ago2 is the crucial step in siRNA mediated gene silencing. Argonaute proteins bind different classes of small non-coding RNAs, including microRNAs (miRNAs), small interfering RNAs (siRNAs) and Piwi-interacting RNAs (piRNAs). Small RNAs guide Argonaute proteins to their specific targets through sequence complementarity (base pairing), which then leads to mRNA cleavage or translation inhibition.

SPECIFICATION SUMMARY

Antigen: Recombinant protein corresponding to the N-terminal aa 1-148 of human Ago2.

Accession no.: Q9UKV8

Gene ID: 27161

Antibody Class: IgG2a

Clone no.: 1B1

Host Species: Mouse

Specificity: This antibody recognizes human Ago2 protein.

APPLICATIONS

Immunoblotting: use at 1-5ug/ml under reducing conditions. A band of ~100kDa is detected. These are recommended concentrations. Endusers should determine optimal concentrations for their applications.

RECONSTITUTION INSTRUCTIONS

Dissolve the lyophilized antibody in 100ul of distilled water (final concentration 2.0mg/ml) for stock solution. Dilute the stock solution in 10mM PBS, pH 7.4 + 1.0% BSA immediately before use.

STORAGE AND STABILITY

Store the stock solution at a minimum concentration of 2.0mg/ml. A lower concentration may result in decreased stability. Store stock solution at -20°C for at least one (1) year; avoid multiple freeze-thaw cycles. Add 0.1% sodium azide in order to store stock solution at 4°C. Diluted antibody should not be stored.

For in vitro investigational use only. Not intended for therapeutic or diagnostic procedures.