ARG45306
anti-RNase H1 / RNH1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Polyclonal antibody recognizes RNase H1 / RNH1
Tested Reactivity	Hu, Ms
Tested Application	FACS, ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Target Name	RNase H1 / RNH1
Species	Human
Immunogen	Recombinant protein containing to human RNase H1 / RNH1.
Conjugation	Un-conjugated
Alternate Names	RNASEH1; Ribonuclease H1; Ribonuclease H Type II; RNase H1; RNH1; EC 3.1.26.4; H1RNA; PEOB2

Application Instructions

Application table

Application	Dilution
FACS	1 - 3 µg/10^6 cells
ICC/IF	5 µg/ml
WB	0.25-0.5 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Observed Size: 38 kDa

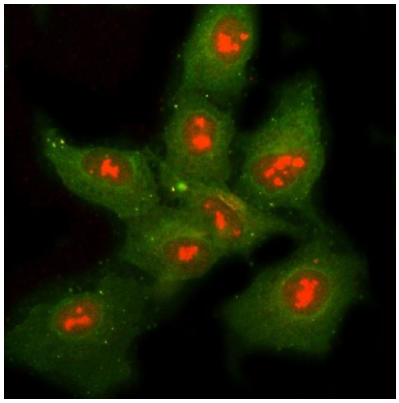
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na2HPO4, 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

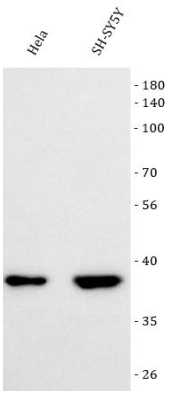
Gene Symbol	RNASEH1
Gene Full Name	Ribonuclease H1
Background	This gene encodes an endonuclease that specifically degrades the RNA of RNA-DNA hybrids and plays a key role in DNA replication and repair. Alternate in-frame start codon initiation results in the production of alternate isoforms that are directed to the mitochondria or to the nucleus. The production of the mitochondrial isoform is modulated by an upstream open reading frame (uORF). Mutations in this gene have been found in individuals with progressive external ophthalmoplegia with mitochondrial DNA deletions, autosomal recessive 2. Alternative splicing results in additional coding and non-coding transcript variants. Pseudogenes of this gene have been defined on chromosomes 2 and 17. [provided by RefSeq, Jul 2017]
Function	Endonuclease that specifically degrades the RNA of RNA-DNA hybrids. [UniProt]
Calculated Mw	32 kDa
Cellular Localization	Cytoplasm. [UniProt]

Images



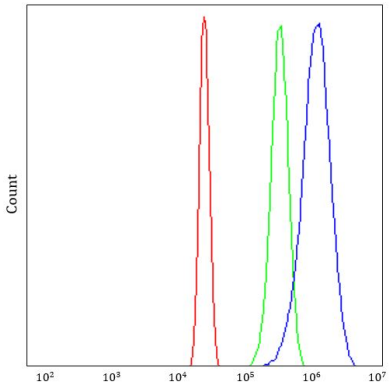
ARG45306 anti-RNase H1 / RNH1 antibody ICC/IF image

Immunofluorescence: A549 stained with ARG45306 anti-RNase H1 / RNH1 antibody at 5 ug/ml dilution.



ARG45306 anti-RNase H1 / RNH1 antibody WB image

Western blot: Hela and SH-SY5Y stained with ARG45306 anti-RNase H1 / RNH1 antibody at 0.5 µg/ml dilution.



ARG45306 anti-RNase H1 / RNH1 antibody FACS image

Flow Cytometry: HepG2 stained with ARG45306 anti-RNase H1 / RNH1 antibody at 1 µg/10^6 cells dilution.