

## ARG45304 anti-HCE antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Polyclonal antibody recognizes HCE
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Target Name	HCE
Species	Human
Immunogen	Recombinant protein containing to human HCE.
Conjugation	Un-conjugated
Alternate Names	RNGTT; RNA Guanylyltransferase And 5'-Phosphatase; HCE; HCE1; HCAP; MRNA-Capping Enzyme; CAP1A; HCAP1

### Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 <sup>6</sup> cells
	ICC/IF	5 µg/ml
	IHC-P	2-5 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	69 kDa	

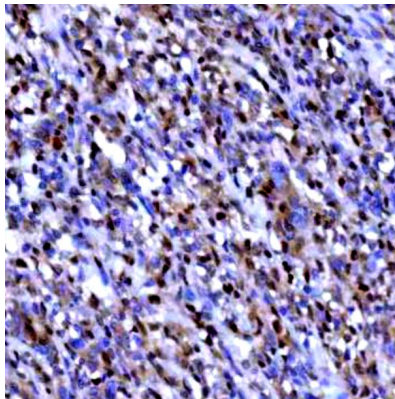
### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na <sub>2</sub> HPO <sub>4</sub> , 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.

Bioinformation

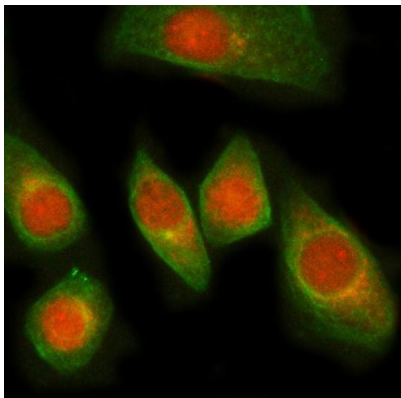
Gene Symbol	RNGTT
Gene Full Name	RNA Guanylyltransferase And 5'-Phosphatase
Background	Enables inorganic triphosphate phosphatase activity and mRNA guanylyltransferase activity. Involved in 7-methylguanosine mRNA capping. Predicted to be located in nucleoplasm. [provided by Alliance of Genome Resources, Nov 2024]
Function	Bifunctional mRNA-capping enzyme exhibiting RNA 5'-triphosphate monophosphatase activity in the N-terminal part and mRNA guanylyltransferase activity in the C-terminal part. Catalyzes the first two steps of cap formation: by removing the gamma-phosphate from the 5'-triphosphate end of nascent mRNA to yield a diphosphate end, and by transferring the GMP moiety of GTP to the 5'-diphosphate terminus of RNA via a covalent enzyme-GMP reaction intermediate. [UniProt]
Calculated Mw	kDa
Cellular Localization	Nucleus. [UniProt]

Images



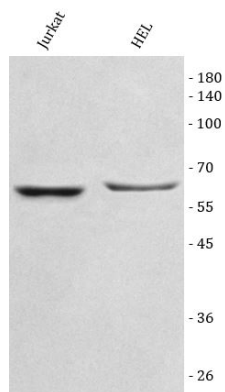
ARG45304 anti-HCE antibody IHC-P image

Immunohistochemistry: Human intestine stained with ARG45304 anti-HCE antibody at 2 µg/ml dilution.



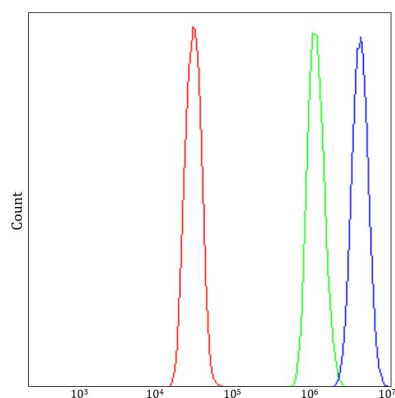
ARG45304 anti-HCE antibody ICC/IF image

Immunofluorescence: SiHa stained with ARG45304 anti-HCE antibody at 5 ug/ml dilution.



ARG45304 anti-HCE antibody WB image

Western blot: Jurkat and HEL stained with ARG45304 anti-HCE antibody at 0.5  $\mu\text{g}/\text{ml}$  dilution.



ARG45304 anti-HCE antibody FACS image

Flow Cytometry: SiHa stained with ARG45304 anti-HCE antibody at 1  $\mu\text{g}/10^6$  cells dilution.