

## ARG44443 anti-IMP4 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes IMP4
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	IMP4
Species	Human
Immunogen	Human IMP4 recombinant protein
Conjugation	Un-conjugated
Alternate Names	IMP4; IMP U3 Small Nucleolar Ribonucleoprotein 4; BXDC4; U3 Small Nucleolar Ribonucleoprotein Protein IMP4; Brix Domain-Containing Protein 4; U3 SnoRNP Protein IMP4

### Application Instructions

Application table	Application	Dilution
	FACS	1-3 µg/1x10 <sup>6</sup> 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.	

### Properties

Form	Liquid
Purification	Affinity purified with Immunogen.
Buffer	0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
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.

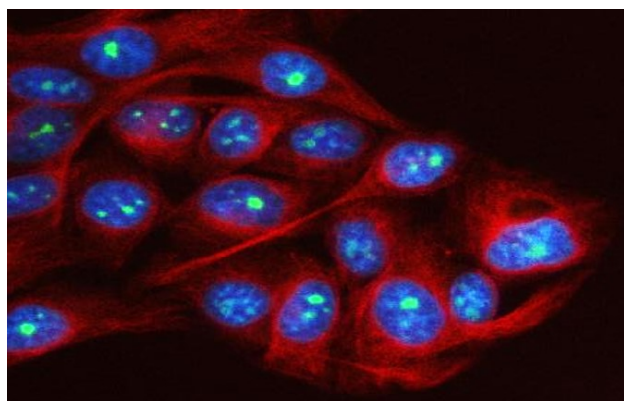
**Note**

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

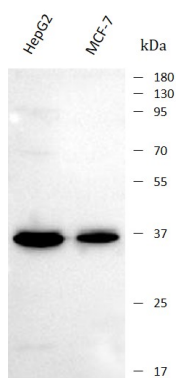
Gene Symbol	IMP4
Gene Full Name	IMP U3 Small Nucleolar Ribonucleoprotein 4
Background	The protein encoded by this gene, along with IMP3 and MPP10, is part of the 60-80S U3 small nucleolar ribonucleoprotein (U3 snoRNP) complex. This complex is necessary for the early cleavage steps of pre-18S ribosomal RNA processing. Several transcript variants encoding different isoforms have been found for this gene.
Function	Component of the 60-80S U3 small nucleolar ribonucleoprotein (U3 snoRNP). Required for the early cleavages during pre-18S ribosomal RNA processing.
Calculated Mw	34 kDa
Cellular Localization	Nucleus

## Images



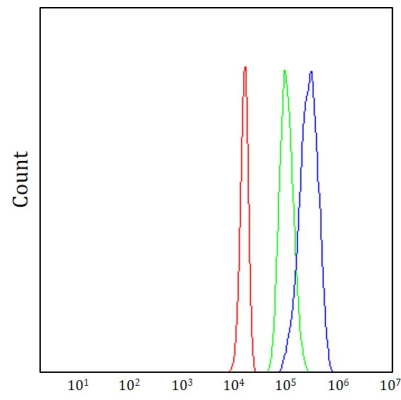
ARG44443 anti-IMP4 antibody ICC/IF image

Immunofluorescence: HeLa stained with ARG44443 anti-IMP4 antibody at 5 µg/mL dilution.



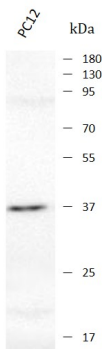
ARG44443 anti-IMP4 antibody WB image

Western blot: HepG2 and MCF-7 stained with ARG44443 anti-IMP4 antibody at 0.5 µg/mL dilution.



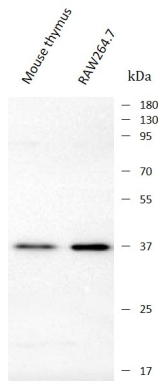
ARG44443 anti-IMP4 antibody FACS image

Flow Cytometry: HepG2 stained with ARG44443 anti-IMP4 antibody at 1  $\mu\text{g}/10^6$  cells dilution.



ARG44443 anti-IMP4 antibody WB image

Western blot: PC-12 stained with ARG44443 anti-IMP4 antibody at 0.5  $\mu\text{g}/\text{mL}$  dilution.



ARG44443 anti-IMP4 antibody WB image

Western blot: Mouse thymus and RAW264.7 stained with ARG44443 anti-IMP4 antibody at 0.5  $\mu\text{g}/\text{mL}$  dilution.