

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 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.

Properties

Form	Liquid
Purification	Affinity purified with Immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 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.

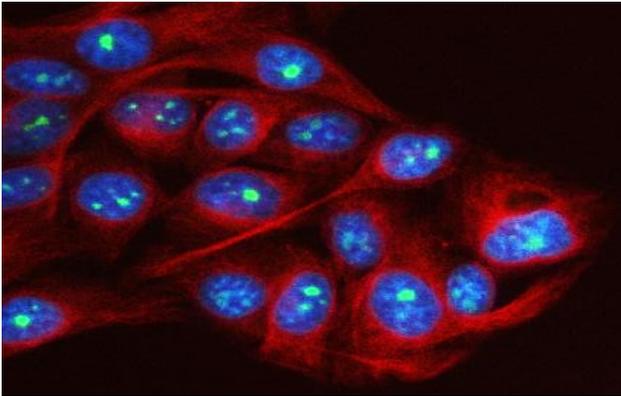
Note

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

Bioinformation

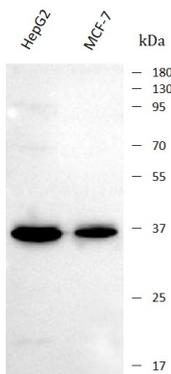
Gene Symbol	IMP4
Gene Full Name	IMP U3 Small Nucleolar Ribonucleoprotein 4
Background	The protein encoded by this gene, along with IMP3 and MPP10, is part of the 60-80S U3 small nucleolar ribonucleoprotein (U3 snoRNP) complex. This complex is necessary for the early cleavage steps of pre-18S ribosomal 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



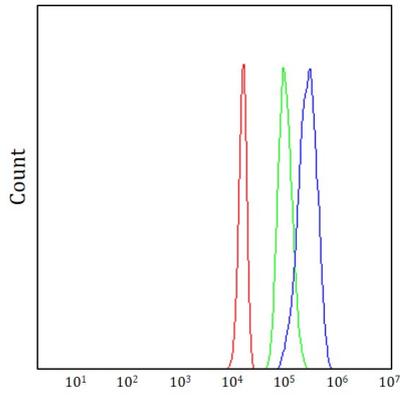
ARG44443 anti-IMP4 antibody ICC/IF image

Immunofluorescence: HeLa stained with ARG44443 anti-IMP4 antibody at 5 $\mu\text{g}/\text{mL}$ dilution.



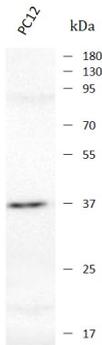
ARG44443 anti-IMP4 antibody WB image

Western blot: HepG2 and MCF-7 stained with ARG44443 anti-IMP4 antibody at 0.5 $\mu\text{g}/\text{mL}$ dilution.



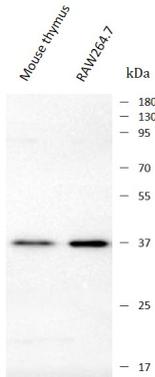
ARG44443 anti-IMP4 antibody FACS image

Flow Cytometry: HepG2 stained with ARG44443 anti-IMP4 antibody at 1 µg/10⁶ cells dilution.



ARG44443 anti-IMP4 antibody WB image

Western blot: PC-12 stained with ARG44443 anti-IMP4 antibody at 0.5 µg/mL dilution.



ARG44443 anti-IMP4 antibody WB image

Western blot: Mouse thymus and RAW264.7 stained with ARG44443 anti-IMP4 antibody at 0.5 µg/mL dilution.