ARG44396
anti-L3MBTL2 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes L3MBTL2
Tested Reactivity	Hu
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	L3MBTL2
Species	Human
Immunogen	Human L3MBTL2 recombinant protein (aa. sequence: E208-Q701).
Conjugation	Un-conjugated
Alternate Names	L3MBTL2; L3MBTL Histone Methyl-Lysine Binding Protein 2; L3MBTL2, Polycomb Repressive Complex 1 Subunit; Lethal(3)Malignant Brain Tumor-Like Protein 2; H-L(3)Mbt-Like Protein 2; L(3)Mbt-Like Protein 2

Application Instructions

Application table

Application	Dilution
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.

Properties

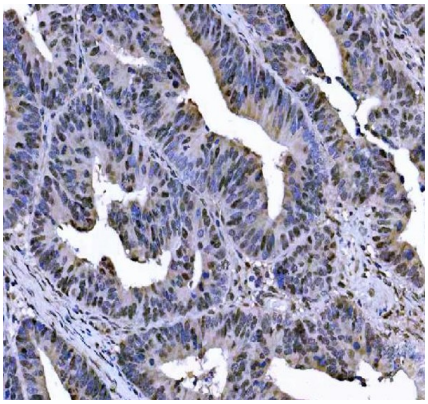
Form	Liquid
Purification	Affinity purified with Immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For 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

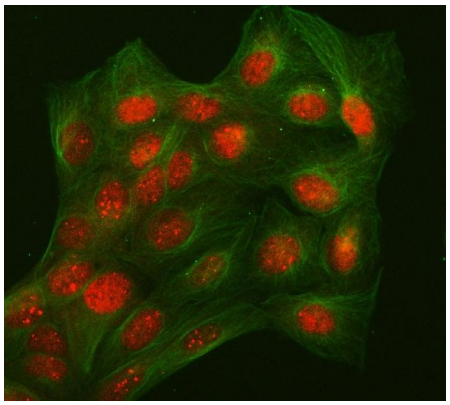
Gene Symbol	L3MBTL2
Gene Full Name	L3MBTL Histone Methyl-Lysine Binding Protein 2
Background	Enables methylated histone binding activity. Predicted to be involved in negative regulation of transcription, DNA-templated. Predicted to act upstream of or within several processes, including ectoderm development; regulation of histone modification; and stem cell proliferation. Located in nucleus.
Function	Putative Polycomb group (PcG) protein. PcG proteins maintain the transcriptionally repressive state of genes, probably via a modification of chromatin, rendering it heritably changed in its expressibility. Its association with a chromatin-remodeling complex suggests that it may contribute to prevent expression of genes that trigger the cell into mitosis. Binds to monomethylated and dimethylated 'Lys-20' on histone H4. Binds histone H3 peptides that are monomethylated or dimethylated on 'Lys-4', 'Lys-9' or 'Lys-27'.
Calculated Mw	79 kDa
PTM	Isopeptide bond, Phosphoprotein, Ubl conjugation
Cellular Localization	Nucleus

Images



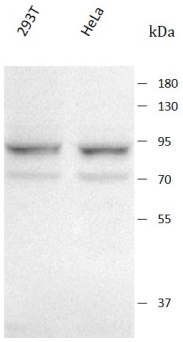
ARG44396 anti-L3MBTL2 antibody IHC-P image

Immunohistochemistry: Human colorectal adenocarcinoma stained with ARG44396 anti-L3MBTL2 antibody at 2 µg/mL dilution.



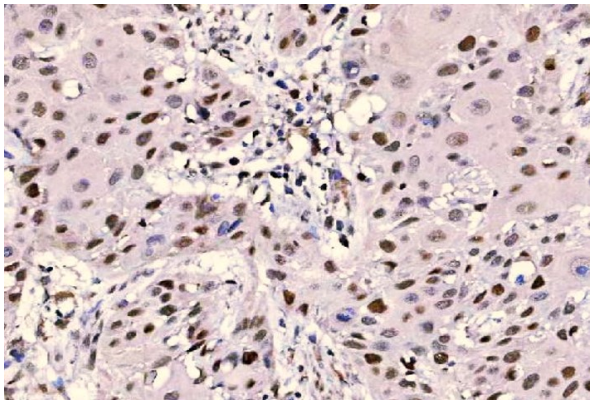
ARG44396 anti-L3MBTL2 antibody ICC/IF image

Immunofluorescence: U2OS stained with ARG44396 anti-L3MBTL2 antibody at 5 µg/mL dilution.



ARG44396 anti-L3MBTL2 antibody WB image

Western blot: 293T andn HeLa stained with ARG44396 anti-L3MBTL2 antibody at 0.5 µg/mL dilution.



ARG44396 anti-L3MBTL2 antibody IHC-P image

Immunohistochemistry: Human esophageal squamous carcinoma stained with ARG44396 anti-L3MBTL2 antibody at 2 µg/mL dilution.