

C21ORF18 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI10689**Specification**

C21ORF18 antibody - C-terminal region - Product Information

Application	WB
Primary Accession	O9NVD3
Other Accession	NM_017438 , NP_059134
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Bovine, Dog
Predicted	Human, Mouse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	50kDa KDa

C21ORF18 antibody - C-terminal region - Additional Information**Gene ID** 54093**Alias Symbol** C21orf18, C21orf27**Other Names**

SET domain-containing protein 4, 2.1.1.-, SETD4, C21orf18, C21orf27

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-C21ORF18 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

C21ORF18 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

C21ORF18 antibody - C-terminal region - Protein Information**Name** SETD4 {ECO:0000303|PubMed:24738023, ECO:0000312|HGNC:HGNC:1258}**Function**

Histone-lysine N-methyltransferase that acts as a regulator of cell proliferation, cell differentiation and inflammatory response (PubMed:31308046). Regulates the inflammatory response by mediating mono- and dimethylation of 'Lys-4' of histone H3 (H3K4me1 and H3K4me2, respectively), leading to activate the transcription of pro- inflammatory cytokines IL6 and TNF-alpha (By similarity). Also involved in the regulation of stem cell quiescence by catalyzing the trimethylation of 'Lys-20' of histone H4 (H4K20me3), thereby promoting heterochromatin formation (PubMed:31308046). Involved in

proliferation, migration, paracrine and myogenic differentiation of bone marrow mesenchymal stem cells (BMSCs) (By similarity).

Cellular Location

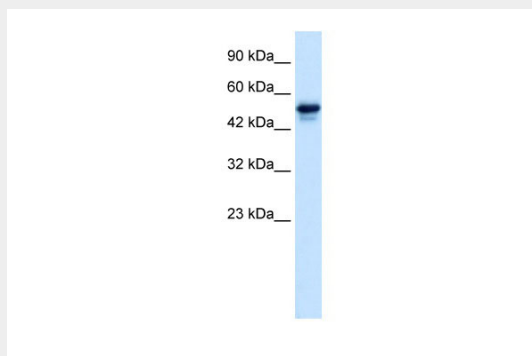
Cytoplasm, cytosol. Nucleus

C21ORF18 antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

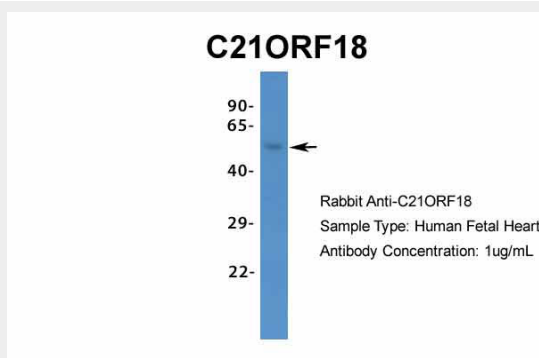
C21ORF18 antibody - C-terminal region - Images



WB Suggested Anti-C21ORF18 Antibody Titration: 0.2-1 μ g/ml

ELISA Titer: 1:12500

Positive Control: HepG2 cell lysate



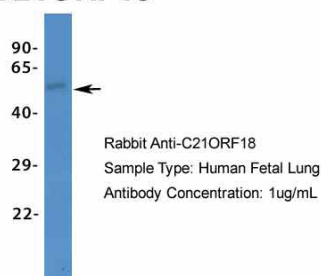
Host: Rabbit

Target Name: C21ORF18

Sample Tissue: Human Fetal Heart

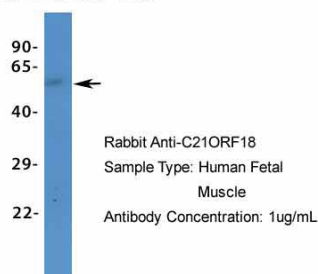
Antibody Dilution: 1.0 μ g/ml

C21ORF18



Host: Rabbit
Target Name: C21ORF18
Sample Tissue: Human Fetal Lung
Antibody Dilution: 1.0µg/ml

C21ORF18



Host: Rabbit
Target Name: C21ORF18
Sample Tissue: Human Fetal Muscle
Antibody Dilution: 1.0µg/ml

C21ORF18 antibody - C-terminal region - References

Reymond,A., et al., (2001) Genomics 78 (1-2), 46-54
Reconstitution and Storage: For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.