

ARG64446 anti-C14orf169 / NO66 antibody

Package: 100 µg
Store at: -20°C

Summary

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| Product Description | Goat Polyclonal antibody recognizes C14orf169 / NO66 |
| Tested Reactivity | Hu |
| Predict Reactivity | Ms, Rat |
| Tested Application | WB |
| Host | Goat |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | C14orf169 / NO66 |
| Species | Human |
| Immunogen | C-GAQHSDSKDPR |
| Conjugation | Un-conjugated |
| Alternate Names | hsNO66; 60S ribosomal protein L8 histidine hydroxylase; EC 1.14.11.27; MAPJD; Myc-associated protein with JmjC domain; ROX; URLC2; Ribosomal oxygenase NO66; EC 1.14.11.-; NO66; Nucleolar protein 66; Histone lysine demethylase NO66; Bifunctional lysine-specific demethylase and histidyl-hydroxylase NO66 |

Application Instructions

| Application table | Application | Dilution |
|-------------------|--|---------------|
| | WB | 0.3 - 1 µg/ml |
| Application Note | WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |

Properties

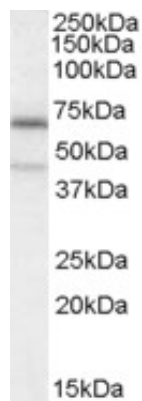
| | |
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| Form | Liquid |
| Purification | Purified from goat serum by antigen affinity chromatography. |
| Buffer | Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA. |
| Preservative | 0.02% Sodium azide |
| Stabilizer | 0.5% BSA |
| Concentration | 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

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| Database links | GeneID: 79697 Human Swiss-port # Q9H6W3 Human |
| Gene Symbol | C14orf169 |
| Gene Full Name | chromosome 14 open reading frame 169 |
| Function | Oxygenase that can act as both a histone lysine demethylase and a ribosomal histidine hydroxylase. Specifically demethylates 'Lys-4' (H3K4me) and 'Lys-36' (H3K36me) of histone H3, thereby playing a central role in histone code. Preferentially demethylates trimethylated H3 'Lys-4' (H3K4me3) and monomethylated H3 'Lys-4' (H3K4me1) residues, while it has weaker activity for dimethylated H3 'Lys-36' (H3K36me2). Also catalyzes the hydroxylation of 60S ribosomal protein L8 on 'His-216'. Acts as a regulator of osteoblast differentiation via its interaction with SP7/OSX by demethylating H3K4me and H3K36me, thereby inhibiting SP7/OSX-mediated promoter activation (By similarity). May also play a role in ribosome biogenesis and in the replication or remodeling of certain heterochromatic region. Participates in MYC-induced transcriptional activation. [UniProt] |
| Research Area | Gene Regulation antibody |
| Calculated Mw | 71 kDa |

Images



ARG64446 anti-C14orf169 / NO66 antibody WB image

Western Blot: A431 cell lysate (35 μ g protein in RIPA buffer) stained with ARG64446 anti-C14orf169 / NO66 antibody at 0.3 μ g/ml dilution.