ARG64446
anti-C14orf169 / NO66 antibody

Package: 100 µg
Store at: -20°C

Summary

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

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

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 µg protein in RIPA buffer) stained with ARG64446 anti-C14orf169 / NO66 antibody at 0.3 µg/ml dilution.