

C14orf169 Antibody

Catalog No: #43867

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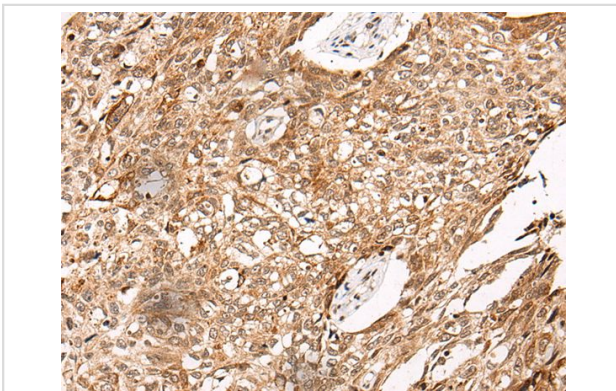
Description

Product Name	C14orf169 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total C14orf169 protein.
Immunogen Type	peptide
Immunogen Description	Synthetic peptide of human C14orf169
Target Name	C14orf169
Other Names	ROX; NO66; MAPJD; URLC2; hsNO66
Accession No.	Swiss-Prot#: Q9H6W3NCBI Gene ID: 79697
Uniprot	Q9H6W3
GeneID	79697;
Concentration	1.1mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C

Application Details

Immunohistochemistry: 1: 30-150

Images



The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using C14orf169 Antibody at dilution 1/45, on the right is treated with synthetic peptide. (Original magnification: x200)

Background

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.

Note: This product is for in vitro research use only