

C1orf149 Rabbit pAb

Catalog # AP97402

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9HAF1
Other Accession	Q9HAF1
Reactivity	Mouse
Predicted	Rat, Pig, Human, Rabbit, Zebrafish, Chicken, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	21635
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human C1orf149
Epitope Specificity	31-100/191
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the EAF6 family.
SUBUNIT	Component of the NuA4 histone acetyltransferase complex which contains the catalytic subunit KAT5 and the subunits EP400, TRRAP, BRD8, EPC1, DMAP1, RUVBL1, RUVBL2, ING3, actin, ACTL6A, MORF4L1, MORF4L2, MRGBP, YEATS4, VPS72 and MEAF6. Component of the HBO1 complex composed at least of ING4 or ING5, KAT7/HBO1, MEAF6, and one of PHF15, PHF16 and PHF17. Component of the MOZ/MORF complex composed at least of ING5, KAT6A, KAT6B, MEAF6 and one of BRPF1, BRD1/BRPF2 and BRPF3.
DISEASE	Note=A chromosomal aberration involving MEAF6 may be a cause of endometrial stromal tumors. Translocation t(1;6)(p34;p21) with PHF1.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Additional Information

Gene ID	64769
Other Names	C1orf149; CENP-28; EAF6; NY-SAR-91; EAF6_HUMAN; MEAF6; MYST/Esa1-associated factor 6; Esa1-associated factor 6 homolog (Protein EAF6 homolog hEAF6); Sarcoma antigen NY-SAR-91; MYST/Esa1 associated factor 6; chromosome 1 open reading frame 149; Esa1p-associated factor 6 homolog (S. cerevisiae); centromere protein 28
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	MEAF6 (HGNC:25674)
Synonyms	C1orf149, CENP-28, EAF6
Function	Component of the NuA4 histone acetyltransferase complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histone H4 and H2A (PubMed: 14966270). This modification may both alter nucleosome - DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription (PubMed: 14966270). Component of HBO1 complexes, which specifically mediate acetylation of histone H3 at 'Lys-14' (H3K14ac), and have reduced activity toward histone H4 (PubMed: 16387653 , PubMed: 24065767). Component of the MOZ/MORF complex which has a histone H3 acetyltransferase activity (PubMed: 18794358).
Cellular Location	Nucleus, nucleolus. Chromosome, centromere, kinetochore

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