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Setd5 Antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI13013

Product Information

Application	WB
Primary Accession	Q5XJV7
Other Accession	NM_028385, NP_082661
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	157426

Additional Information

Gene ID	72895
Alias Symbol	2900045N06Rik, C330007C20, C85544, FLJ10707, MGC90828, mKIAA1757
Other Names	SET domain-containing protein 5, Setd5, Kiaa1757
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-Setd5 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	Setd5 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Setd5 {ECO:0000303|PubMed:27864380, ECO:0000312|MGI:MGI:1920145}
Function	Chromatin regulator required for brain development: acts as a regulator of RNA elongation rate, thereby regulating neural stem cell (NSC) proliferation and synaptic transmission (PubMed:30455454, PubMed:31515109). May act by mediating trimethylation of 'Lys-36' of histone H3 (H3K36me3), which is essential to allow on-time RNA elongation dynamics (PubMed:31515109). Also monomethylates 'Lys-9' of histone H3 (H3K9me1) in vitro (PubMed:22939622). The relevance of histone methyltransferase activity is however subject to discussion (PubMed:27864380, PubMed:30455454).
Cellular Location	Nucleus. Chromosome. Note=Localizes to active transcribed genes.

Tissue Location	Ubiquitously expressed.

References

Okazaki N.,et al.DNA Res. 10:35-48(2003).
Carninci P.,et al.Science 309:1559-1563(2005).
Villen J.,et al.Proc. Natl. Acad. Sci. U.S.A. 104:1488-1493(2007).

Images



Host: Rabbit
Target Name: Setd5
Sample Tissue: Mouse Stomach lysates
Antibody Dilution: 1.0µg/ml

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.