

SETD3 Rabbit pAb

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Catalog # AP57614

Product Information

Application	WB
Primary Accession	Q86TU7
Reactivity	Mouse
Predicted	Rat, Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	67257
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SETD3
Epitope Specificity	301-400/594
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nuclear
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	SETD3 contains 1 SET domain. The function of the SETD3 protein remains unknown. There are 3 isoforms produced by alternative splicing.

Additional Information

Gene ID	84193
Other Names	Actin-histidine N-methyltransferase, 2.1.1.85, Protein-L-histidine N-tele-methyltransferase, SET domain-containing protein 3, hSETD3, SETD3
Dilution	WB=1:500-2000
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	SETD3
Function	Protein-histidine N-methyltransferase that specifically mediates 3-methylhistidine (tele-methylhistidine) methylation of actin at 'His-73' (PubMed: 30526847 , PubMed: 30626964 , PubMed: 30785395 ,

PubMed:[31388018](#), PubMed:[31993215](#)). Histidine methylation of actin is required for smooth muscle contraction of the laboring uterus during delivery (PubMed:[30626964](#)). Does not have protein-lysine N- methyltransferase activity and probably only catalyzes histidine methylation of actin (PubMed:[30626964](#), PubMed:[30785395](#), PubMed:[31388018](#)).

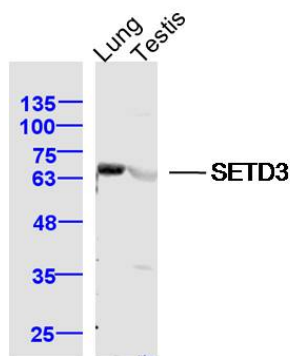
Cellular Location

Cytoplasm. Nucleus Note=Localizes mainly in the cytoplasm.

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Images



Sample:

Lung (Mouse) Lysate at 40 ug

Testis (Mouse) Lysate at 40 ug

Primary: Anti-SETD3 (AP57614) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 69 kD

Observed band size: 69 kD

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