

## Product datasheet for **TA347284**

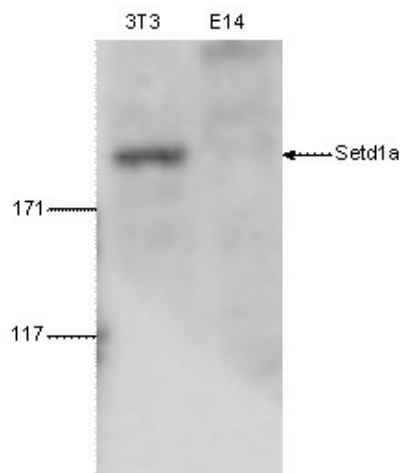
### **hSET1 (SETD1A) Rabbit Polyclonal Antibody**

#### **Product data:**

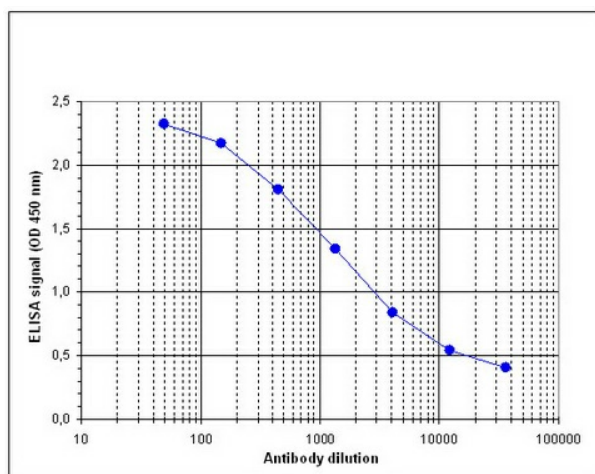
Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	ELISA (1:100) ; Western blotting (1:500)
Reactivity:	Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-Setd1a antibody: mouse Setd1a (Set domain containing 1A), using three KLH-conjugated synthetic peptides: two containing an amino acid sequence from the N-terminal part of the protein and one containing an amino acid sequence from th
Concentration:	lot specific
Purification:	Whole antiserum from rabbit containing 0.05% azide.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	SET domain containing 1A
Database Link:	<a href="#">NP_055527</a> <a href="#">Entrez Gene 233904 Mouse</a> <a href="#">O15047</a>
Background:	SETD1A (UniProt/Swiss-Prot entry O15047) is a component of the SET1 histone methyltransferase (HMT) complex. This complex specifically methylates lysine 4 of histone H3, but only if the neighboring lysine 9 residue is not yet methylated. Methylation of H3K4 represents a specific tag for epigenetic transcriptional activation. SETD1A shows a non-overlapping localization with SETD1B, suggesting that both proteins play a specific role in the epigenetic control of chromatin structure and gene expression.
Synonyms:	KMT2F; Set1; Set1A
Protein Families:	Druggable Genome
Protein Pathways:	Lysine degradation


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## Product images:



WB was performed on whole cell lysates from mouse fibroblasts (NIH3T3) and embryonic stem cells (E14Tg2a) with the antibody against mouse Setd1a, diluted 1:500 in BSA/PBS-Tween. The molecular weight marker (in kDa) is shown on the left; the location of the protein of interest (expected size: 186 kDa) is indicated on the right.



Determination of the titer To determine the titer, an ELISA was performed using a serial dilution of the antibody against mouse Setd1a. The plates were coated with a mix of the peptides used for immunization of the rabbit. By plotting the absorbance against the antibody dilution (Figure 1), the titer of the antibody was estimated to be 1:2,500.