

## Product datasheet for **CF804128**

### SETD2 Mouse Monoclonal Antibody [Clone ID: OTI1B4]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1B4
Applications:	WB
Recommended Dilution:	WB 1:500
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 1787-2144 of human SETD2 (NP_054878) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	SET domain containing 2, histone lysine methyltransferase
Database Link:	<a href="#">NP_054878</a> <a href="#">Entrez Gene 235626 Mouse</a> <a href="#">Entrez Gene 316013 Rat</a> <a href="#">Entrez Gene 29072 Human</a> <a href="#">Q9BYW2</a>



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**Background:**

Huntington's disease (HD), a neurodegenerative disorder characterized by loss of striatal neurons, is caused by an expansion of a polyglutamine tract in the HD protein huntingtin. This gene encodes a protein belonging to a class of huntingtin interacting proteins characterized by WW motifs. This protein is a histone methyltransferase that is specific for lysine-36 of histone H3, and methylation of this residue is associated with active chromatin. This protein also contains a novel transcriptional activation domain and has been found associated with hyperphosphorylated RNA polymerase II. [provided by RefSeq, Aug

**Synonyms:**

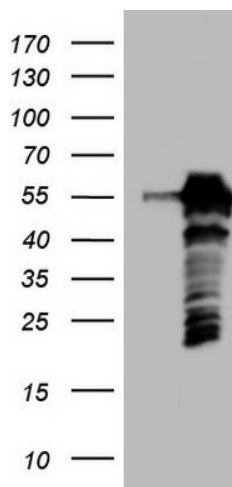
HBP231; HIF-1; HIP-1; HSPC069; HYPB; KMT3A; LLS; p231HBP; SET2

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Lysine degradation

**Product images:**

Human recombinant protein fragment corresponding to amino acids 1787-2144 of human SETD2 (NP\_054878) produced in E.coli (1:500).