

Product datasheet for **CF804377**

SETD2 Mouse Monoclonal Antibody [Clone ID: OT11E1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OT11E1
Applications:	IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
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:	NP_054878 Entrez Gene 235626 Mouse Entrez Gene 316013 Rat Entrez Gene 29072 Human Q9BYW2



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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:

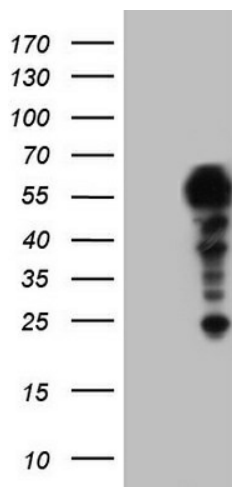
HBP231; HIF-1; HIP-1; HSPC069; HYPB; KMT3A; LLS; p231HBP; SET2

Protein Families:

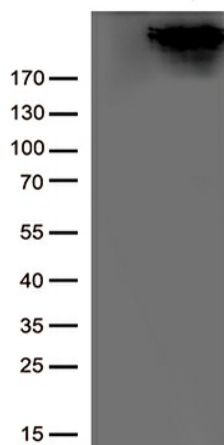
Druggable Genome

Protein Pathways:

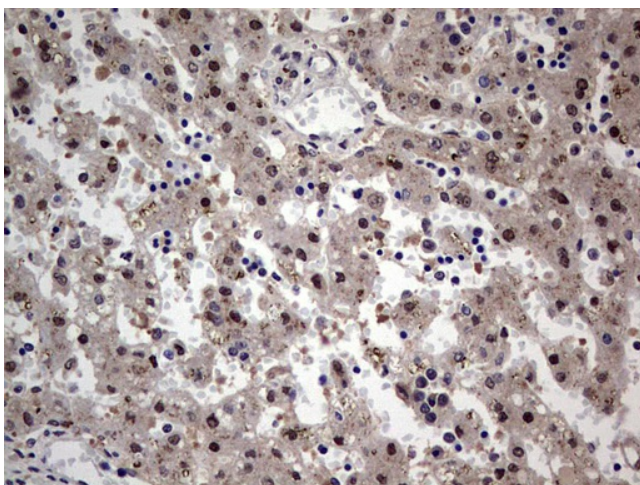
Lysine degradation

Product images:


Human recombinant protein fragment corresponding to amino acids 1787-2144 of human SETD2 (NP_054878) produced in E.coli.



HEK293T cells were transfected with the pCMV6-ENTRY control (left lane) or pCMV6-ENTRY SETD2 (Cat# [SC115150], right lane) cDNA clones for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SETD2. (1:500)



Immunohistochemical staining of paraffin-embedded Human embryonic liver tissue using anti-SETD2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.