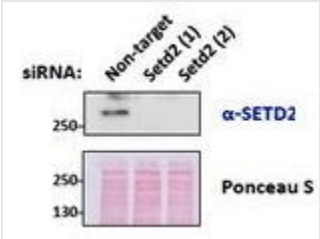
hypB Antibody – Goat Polyclonal

PRODUCT OVERVIEW

Product Name	HYPB, Polyclonal Antibody
Full Product Name	HYPB (SETD2, Histone-lysine N-methyltransferase SETD2, HIF-1, Huntingtin Yeast Partner B, Huntingtin-interacting Protein 1, HIP-1, Huntingtin-interacting Protein B, Lysine N-methyltransferase 3A, SET Domain-containing Protein 2, hSET2, HIF1, KIAA1732, KMT
Product Gene Name	anti-hypB antibody
Product Synonym Names	Anti -HYPB (SETD2, Histone-lysine N-methyltransferase SETD2, HIF-1, Huntingtin Yeast Partner B, Huntingtin-interacting Protein 1, HIP-1, Huntingtin-interacting Protein B, Lysine N-methyltransferase 3A, SET Domain-containing Protein 2, hSET2, HIF1, KIAA1732, KMT
Clonality	Polyclonal
Host	Goat
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in Tris saline, 0.02% sodium azide, pH 7.3, 0.5% BSA.
Purity/Purification	Affinity Purified Purified by immunoaffinity chromatography.
Specificity	Recognizes mouse SETD2. Species sequence homology: Human.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	25,555 Da
3D Structure	ModBase 3D Structure for A8YG51
Immunogen	Synthetic peptide corresponding to C-ERDPDKQTQNKE, from SETD2, at the internal region of the protein (NP_054878.3).
Product Categories/Family for anti-hypB antibody	Antibodies; Abs to Enzymes; Methyltransferase
Applications Tested/Suitable for anti-hypB antibody	ELISA (EL/EIA), Western Blot (WB)
Application Notes for anti-hypB antibody	Suitable for use in ELISA and Western Blot. Dilution: ELISA: 1:4000 Western Blot: 0.5-2ug/ml
Related Product Information for anti-hypB antibody	SET2 is a histone methyltransferase that methylates 'Lys-36' of histone H3. H3 'Lys-36' methylation represents a specific tag for epigenetic transcriptional activation. This protein probably plays a role in chromatin structure modulation during elongation via its interaction with hyperphosphorylated POLR2A. SET2 binds DNA at promoters, and may act as a transcription activator. SET2 binds to the promoters of adenovirus 12 E1A gene in case of infection, possibly leading to regulate its expression. 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. SET2 belongs to a class of huntingtin interacting proteins characterized by WW motifs.
Other Notes	Small volumes of anti-hypB antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for hypB purchase	MBS6003031 is an antibody targeting hypB. Also known as HYPB (SETD2, Histone-lysine N-methyltransferase SETD2, HIF-1, Huntingtin Yeast Partner B, Huntingtin-interacting Protein 1, HIP-1, Huntingtin-interacting Protein B, Lysine N-methyltransferase 3A, SET Domain-containing Protein 2, hSET2, HIF1, KIAA1732, KMT. Reactive in Human, Mouse. Host: Goat.



Chemiluminescence of anti-hypB antibody
(0.5ug/ml) staining of mouse fibroblast lysates transiently expressing different siRNA in second and third lane (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for hypB. It may not necessarily be applicable to this product.

NCBI GI #	159028258
NCBI Accession #	CAO88068.1
UniProt Primary Accession #	A8YG51
NCBI Official Full Name	hypB
UniProt Protein Name	HypB protein
Protein Family	Hydrogenase isoenzymes nickel incorporation protein
UniProt Gene Name	hypB
UniProt Entry Name	A8YG51_MICAE
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