

Product datasheet for TA327026

EHMT2/G9A (EHMT2) Rabbit Polyclonal Antibody

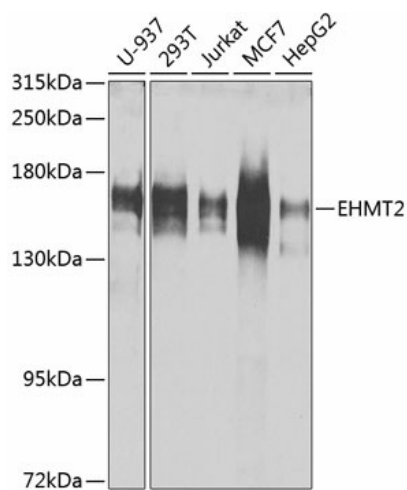
Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IP, WB
Recommended Dilution:	WB, 1:500 - 1:1000 IP, 0.5µg-4µg antibody for 200µg-400µg extracts of whole cells ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Formulation:	Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	132kDa
Gene Name:	euchromatic histone lysine methyltransferase 2
Database Link:	NP_006700 Entrez Gene 110147 Mouse Entrez Gene 361798 Rat Entrez Gene 10919 Human Q96KQ7
Background:	This gene encodes a methyltransferase that methylates lysine residues of histone H3. Methylation of H3 at lysine 9 by this protein results in recruitment of additional epigenetic regulators and repression of transcription. This gene was initially thought to be two different genes, NG36 and G9a, adjacent to each other in the HLA locus. Alternative splicing results in multiple transcript variants.
Synonyms:	BAT8; C6orf30; G9A; GAT8; KMT1C; NG36
Protein Families:	Druggable Genome

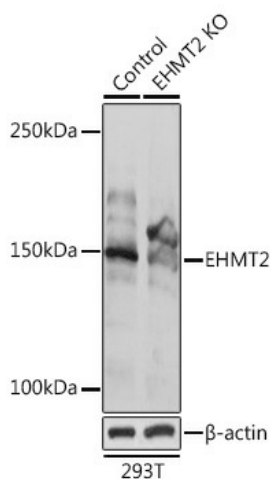

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Protein Pathways: Lysine degradation

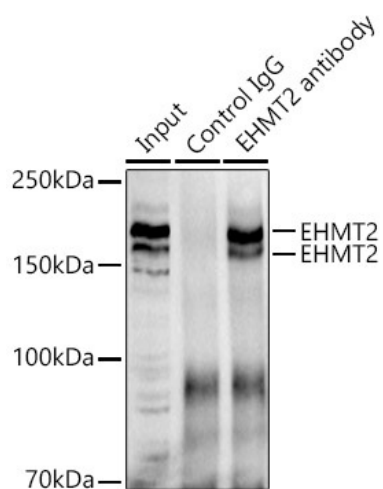
Product images:



Western blot analysis of various lysates using [KO Validated] EHMT2 Rabbit pAb (TA327026) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.



Western blot analysis of lysates from wild type (WT) and EHMT2 knockout (KO) 293T cells



Immunoprecipitation analysis of 300 µg extracts of 293T cells using 3 µg [KO Validated] EHMT2 antibody (TA327026). Western blot was performed from the immunoprecipitate using [KO Validated] EHMT2 antibody (TA327026) at a dilution of 1:1000.