

Immunotag™ MPHOSPH8 Antibody

Antibody Specification	
Catalog No.	ITA9378
Product Description	Immunotag™ MPHOSPH8 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	MPHOSPH8
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:1000-3000
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human MPHOSPH8
Specificity	MPHOSPH8 Antibody detects endogenous levels of total MPHOSPH8
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	MPHOSPH8
Accession No.	Q99549
Alternate Names	HSMPP8; M-phase phosphoprotein 8; M-phase phosphoprotein, mpp; M-phase phosphoprotein, mpp8; MPHOSPH8; MPP8_HUMAN; RP11-523H24.1; Twa3; Two hybrid-associated protein 3 with RanBPM;

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Description	Heterochromatin component that specifically recognizes and binds methylated 'Lys-9' of histone H3 (H3K9me) and promotes recruitment of proteins that mediate epigenetic repression (PubMed:20871592, PubMed:26022416). Mediates recruitment of the HUSH complex to H3K9me3 sites: the HUSH complex is recruited to genomic loci rich in H3K9me3 and is probably required to maintain transcriptional silencing by promoting recruitment of SETDB1, a histone methyltransferase that mediates further deposition of H3K9me3 (PubMed:26022416). Binds H3K9me and promotes DNA methylation by recruiting DNMT3A to target CpG sites; these can be situated within the coding region of the gene (PubMed:20871592). Mediates down-regulation of CDH1 expression (PubMed:20871592).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	97 kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.