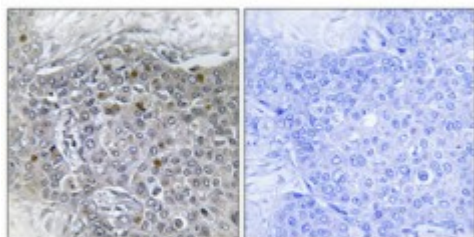


Anti-BS69 antibody



Description	Rabbit polyclonal to BS69.
Model	STJ91902
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IHC
Immunogen	Synthesized peptide derived from human BS69
Immunogen Region	80-160 aa, Internal
Gene ID	10771
Gene Symbol	ZMYND11
Dilution range	IHC 1:100-1:300ELISA 1:20000
Specificity	BS69 Polyclonal Antibody detects endogenous levels of BS69 protein.
Tissue Specificity	Ubiquitous.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Zinc finger MYND domain-containing protein 11 Adenovirus 5 E1A-binding protein Bone morphogenetic protein receptor-associated molecule 1 Protein BS69
Molecular Weight	66.203 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:16966OMIM:608668
Alternative Names	Zinc finger MYND domain-containing protein 11 Adenovirus 5 E1A-binding protein Bone morphogenetic protein receptor-associated molecule 1 Protein BS69
Function	Chromatin reader that specifically recognizes and binds histone H3.3 trimethylated at 'Lys-36' (H3.3K36me3) and regulates RNA polymerase II elongation. Does not bind other histone H3 subtypes (H3.1 or H3.2) . Colocalizes with highly expressed genes and functions as a transcription corepressor by modulating RNA polymerase II at the elongation stage. Acts as a tumor-suppressor by repressing a transcriptional program essential for tumor cell growth.
Sequence and Domain Family	The PWWP domain specifically recognizes and binds histone H3.3 trimethylated at 'Lys-36' (H3.3K36me3) and adopts a five-bladed beta-barrel fold with an extended C-terminal alpha-helix, with a conserved H3.3K36me3-binding aromatic cage formed by Phe-291 and Trp-294 of the beta1-beta2 loop and Phe-310 of the beta3-beta4 loop. Specific recognition of H3.3 histone is mediated by the encapsulation of the H3.3-specific 'Ser 31' residue in a composite pocket formed by the tandem bromo-PWWP domains .
Cellular Localization	Nucleus. Chromosome. Associates with chromatin and mitotic chromosomes.
Post-translational Modifications	Sumoylated following its interaction with PIAS1 and UBE2I. Ubiquitinated, leading to proteasomal degradation.