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BS69 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58720

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q15326
Reactivity	Rat, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	70963
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ZMYND11/BS69
Epitope Specificity	501-602/602
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus. Chromosome. Note=Associates with chromatin and mitotic chromosomes.
SIMILARITY	Contains 1 bromo domain. Contains 1 MYND-type zinc finger. Contains 1 PHD-type zinc finger. Contains 1 PWWP domain.
SUBUNIT	Interacts (via MYND-type zinc finger) with NCOR1. Interacts (via MYND-type zinc finger) with human adenovirus early E1A protein (via PXLXP motif); this interaction inhibits E1A mediated transactivation. Interacts (via MYND-type zinc finger) with Epstein-Barr virus EBNA2 protein (via PXLXP motif). Interacts (via MYND-type zinc finger) with EZH2. Interacts with E2F6.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR. Ubiquitinated, leading to proteasomal degradation.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene was first identified by its ability to bind the adenovirus E1A protein. The protein localizes to the nucleus. It functions as a transcriptional repressor, and expression of E1A inhibits this repression. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]

Additional Information

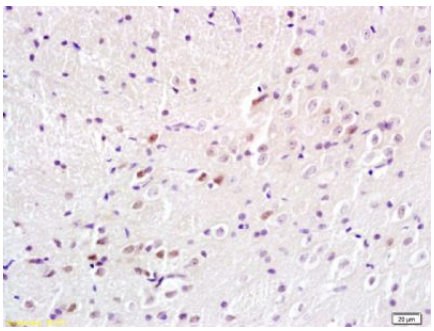
Gene ID	10771
Other Names	Zinc finger MYND domain-containing protein 11, Adenovirus 5 E1A-binding protein, Bone morphogenetic protein receptor-associated molecule 1, Protein BS69, ZMYND11 (HGNC:16966)
Target/Specificity	Ubiquitous.

Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	ZMYND11 (HGNC:16966)
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) (By similarity). Colocalizes with highly expressed genes and functions as a transcription corepressor by modulating RNA polymerase II at the elongation stage. Binds non-specifically to dsDNA (PubMed:24675531). Acts as a tumor-suppressor by repressing a transcriptional program essential for tumor cell growth.
Cellular Location	Nucleus. Chromosome Note=Associates with chromatin and mitotic chromosomes
Tissue Location	Ubiquitous..

Images



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;
Incubation: Anti-BS69/Adenovirus 5 E1A binding protein Polyclonal Antibody, Unconjugated (AP58720) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining