

Anti-DBP5 / SON Antibody (aa1413-1628)

Rabbit Anti Human Polyclonal Antibody

Catalog # ALS18277

Product Information

Application	IHC-P, IF, ICC
Primary Accession	P18583
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	263830
Concentration (mg/ml)	1 mg/ml

Additional Information

Gene ID	6651
Alias Symbol	SON
Other Names	SON, C21orf50, DBP5, DBP-5, KIAA1019, NREBP, Protein SON, Protein DBP-5, SON DNA binding protein, NRE-binding protein, SON3, BASS1
Target/Specificity	Human DBP5 / SON.
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-DBP5 / SON Antibody (aa1413-1628) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SON
Synonyms	C21orf50, DBP5, KIAA1019, NREBP
Function	RNA-binding protein that acts as a mRNA splicing cofactor by promoting efficient splicing of transcripts that possess weak splice sites. Specifically promotes splicing of many cell-cycle and DNA-repair transcripts that possess weak splice sites, such as TUBG1, KATNB1, TUBGCP2, AURKB, PCNT, AKT1, RAD23A, and FANCG. Probably acts by facilitating the interaction between Serine/arginine-rich proteins such as SRSF2 and the RNA polymerase II. Also binds to DNA; binds to the consensus DNA sequence: 5'-GA[GT]AN[CG][AG]CC-3'. May indirectly repress hepatitis B virus (HBV) core promoter activity and transcription of HBV genes and production of HBV virions. Essential for correct RNA splicing of multiple genes critical for brain development, neuronal migration and metabolism, including TUBG1, FLNA,

PNKP, WDR62, PSMD3, PCK2, PFKL, IDH2, and ACY1 (PubMed:[27545680](#)).

Cellular Location

Nucleus speckle Note=Colocalizes with the pre-mRNA splicing factor SRSF2

Tissue Location

Widely expressed, with the higher expression seen in leukocyte and heart

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.