10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-DBP5 / SON Antibody (aa1413-1628)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18277

Specification

Anti-DBP5 / SON Antibody (aa1413-1628) - Product Information

Application	**IHC-P, IF, ICC**
Primary Accession	P18583
Predicted	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**263830**
Dilution	**IHC-P~~N/A** **IF~~1:50~200** **ICC~~N/A**

Anti-DBP5 / SON Antibody (aa1413-1628) - 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.

Anti-DBP5 / SON Antibody (aa1413-1628) - 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

Anti-DBP5 / SON Antibody (aa1413-1628) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-DBP5 / SON Antibody (aa1413-1628) - Images