

DBP5 / SON Antibody (N-Terminus)
Goat Polyclonal Antibody
Catalog # ALS16598**Specification**

DBP5 / SON Antibody (N-Terminus) - Product Information

Application	IHC
Primary Accession	P18583
Other Accession	6651
Reactivity	Human, Mouse, Rat, Rabbit, Monkey, Bovine, Horse, Guinea Pig, Dog
Host	Goat
Clonality	Polyclonal
Calculated MW	263830

DBP5 / SON Antibody (N-Terminus) - Additional Information**Gene ID** 6651**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 SON. This antibody is expected to recognize reported isoforms B (NP_115571.1) and F (NP_620305.1).

Reconstitution & Storage

Tris-buffered saline, pH 7.3, 0.5% BSA, 0.02% sodium azide. Store at -20°C. Minimize freezing and thawing.

Precautions

DBP5 / SON Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

DBP5 / SON Antibody (N-Terminus) - 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

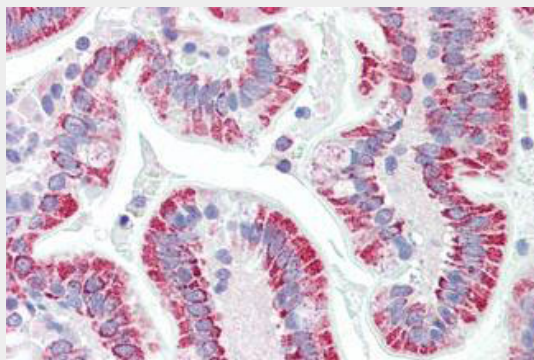
Widely expressed, with the higher expression seen in leukocyte and heart

DBP5 / SON Antibody (N-Terminus) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DBP5 / SON Antibody (N-Terminus) - Images



Anti-DBP5 / SON antibody IHC staining of human small intestine.

DBP5 / SON Antibody (N-Terminus) - Background

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.

DBP5 / SON Antibody (N-Terminus) - References

Reymond A., et al. Genomics 78:46-54(2001).
Sun C.-T., et al. J. Biol. Chem. 276:24059-24067(2001).

Kikuno R.,et al.DNA Res. 6:197-205(1999).

Hattori M.,et al.Nature 405:311-319(2000).

Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.