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DBP antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI10324

Product Information

Application	WB, IHC
Primary Accession	Q10586
Other Accession	NM_001352, NP_001343
Reactivity	Human, Mouse, Rat, Pig, Dog, Bovine
Predicted	Human, Mouse, Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34349

Additional Information

Gene ID	1628
Alias Symbol	DABP
Other Names	D site-binding protein, Albumin D box-binding protein, Albumin D-element-binding protein, Tax-responsive enhancer element-binding protein 302, TaxREB302, DBP
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-DBP antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	DBP antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

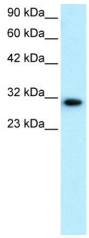
Name	DBP
Function	This transcriptional activator recognizes and binds to the sequence 5'-RTTAYGTAAY-3' found in the promoter of genes such as albumin, CYP2A4 and CYP2A5. It is not essential for circadian rhythm generation, but modulates important clock output genes. May be a direct target for regulation by the circadian pacemaker component clock. May affect circadian period and sleep regulation. Activates transcription of coagulation factors F8 and F9; transactivation activity is enhanced by formation of a heterodimer with HLF (PubMed:10073576).

Cellular Location	Nucleus.
Tissue Location	Ubiquitously expressed. Expressed in the suprachiasmatic nuclei (SCN) and in most peripheral tissues, with a strong circadian rhythmicity

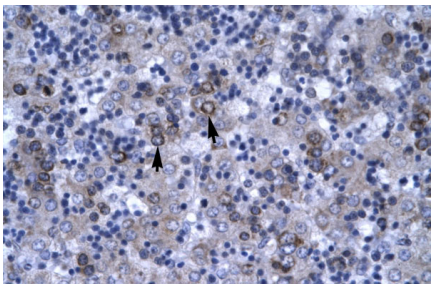
References

Smith,J.S.,et al.,(2000) Genomics 64(1),44-50Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.Publications:Okazaki, H. et al. Circadian regulation of mTOR by the ubiquitin pathway in renal cell carcinoma. Cancer Res. 74, 543-51 (2014). WB, Human, Pig, Horse, Guinea pig, Sheep, Dog, Bovine, Mouse, Rat24253377Nakabayashi, H. et al. Clock-controlled output gene Dbp is a regulator of Arnt/Hif-1β gene expression in pancreatic islet β-cells. Biochem. Biophys. Res. Commun. 434, 370-5 (2013). WB, Human, Pig, Horse, Guinea pig, Sheep, Dog, Bovine, Mouse, Rat23567972

Images



WB Suggested Anti-DBP Antibody Titration: .2-1 ug/ml
Positive Control: HepG2 cell lysate



Human Liver

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