


Anti-DDB1 antibody ab97522

★★★★★ [4 Abreviews](#) [5 References](#) [画像数 8](#)

製品の概要

製品名	Anti-DDB1 antibody
製品の詳細	Rabbit polyclonal to DDB1
由来種	Rabbit
アプリケーション	適用あり: WB, IHC-P, ICC/IF
種交差性	交差種: Mouse, Rat, Human 交差が予測される動物種: Cow 
免疫原	Recombinant fragment corresponding to Human DDB1 aa 749-1123. Database link: Q16531
ポジティブ・コントロール	WB: NIH/3T3, PC-12, Rat2, HEK-293T, A431, HeLa and HepG2 whole cell lysate. IHC-P: Cal27 Xenograft, rat fore brain tissue. ICC/IF: HeLa cells.
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.00 Preservative: 0.025% Proclin 300 Constituents: 78% PBS, 1% BSA, 20% Glycerol (glycerin, glycerine)
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

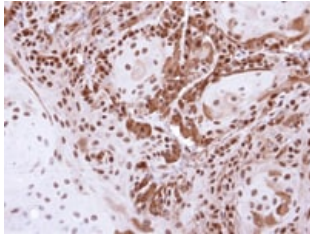
The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab97522の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
WB	★★★★★ (2)	1/500 - 1/10000. Predicted molecular weight: 127 kDa.
IHC-P		1/100 - 1/1000.
ICC/IF	★★★★★ (1)	1/100 - 1/1000.

ターゲット情報

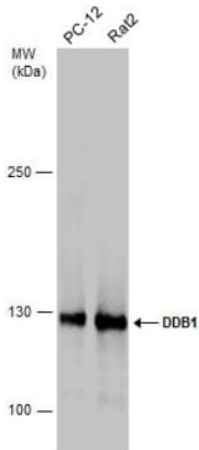
機能	Required for DNA repair. Binds to DDB2 to form the UV-damaged DNA-binding protein complex (the UV-DDB complex). The UV-DDB complex may recognize UV-induced DNA damage and recruit proteins of the nucleotide excision repair pathway (the NER pathway) to initiate DNA repair. The UV-DDB complex preferentially binds to cyclobutane pyrimidine dimers (CPD), 6-4 photoproducts (6-4 PP), apurinic sites and short mismatches. Also appears to function as a component of numerous distinct DCX (DDB1-CUL4-X-box) E3 ubiquitin-protein ligase complexes which mediate the ubiquitination and subsequent proteasomal degradation of target proteins. The functional specificity of the DCX E3 ubiquitin-protein ligase complex is determined by the variable substrate recognition component recruited by DDB1. DCX(DDB2) (also known as DDB1-CUL4-ROC1, CUL4-DDB-ROC1 and CUL4-DDB-RBX1) may ubiquitinate histone H2A, histone H3 and histone H4 at sites of UV-induced DNA damage. The ubiquitination of histones may facilitate their removal from the nucleosome and promote subsequent DNA repair. DCX(DDB2) also ubiquitinates XPC, which may enhance DNA-binding by XPC and promote NER. DCX(DTL) plays a role in PCNA-dependent polyubiquitination of CDT1 and MDM2-dependent ubiquitination of TP53 in response to radiation-induced DNA damage and during DNA replication. DCX(ERCC8) (the CSA complex) plays a role in transcription-coupled repair (TCR). May also play a role in ubiquitination of CDKN1B/p27kip when associated with CUL4 and SKP2.
パスウェイ	Protein modification; protein ubiquitination.
配列類似性	Belongs to the DDB1 family.
翻訳後修飾	Ubiquitinated by CUL4A. Subsequently degraded by ubiquitin-dependent proteolysis.
細胞内局在	Cytoplasm. Nucleus. Primarily cytoplasmic. Translocates to the nucleus following UV irradiation and subsequently accumulates at sites of DNA damage.

画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DDB1 antibody (ab97522)

Immunohistochemical analysis of paraffin-embedded Human Cal27 Xenograft , using ab97522 at 1/500 dilution.



Western blot - Anti-DDB1 antibody (ab97522)

All lanes : Anti-DDB1 antibody (ab97522) at 1/1000 dilution

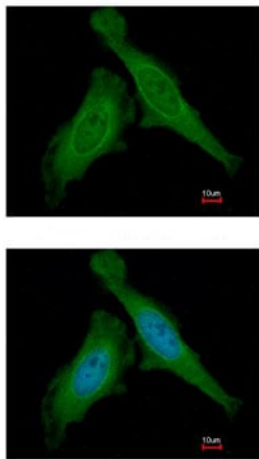
Lane 1 : PC-12 whole cell extracts

Lane 2 : Rat2 whole cell extract

Lysates/proteins at 30 µg per lane.

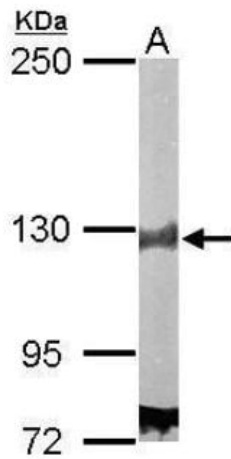
Predicted band size: 127 kDa

5% SDS-PAGE



Immunocytochemistry/ Immunofluorescence - Anti-DDB1 antibody (ab97522)

ab97522 at 1/200 dilution staining DDB1 in Paraformaldehyde fixed HeLa cells. Lower image is merged with DNA probe.

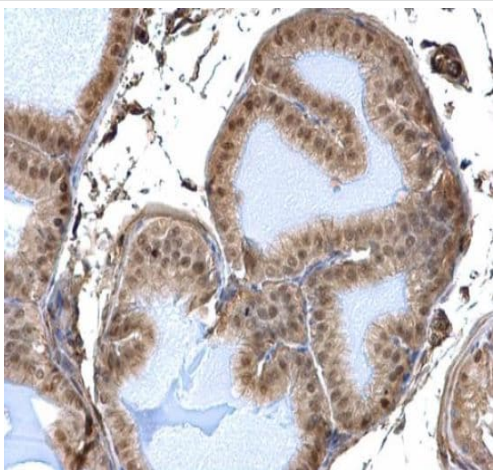


Western blot - Anti-DDB1 antibody (ab97522)

Anti-DDB1 antibody (ab97522) at 1/5000 dilution + Mouse brain whole cell lysate at 50 μ g

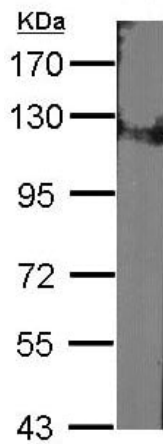
Predicted band size: 127 kDa

5% SDS PAGE



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DDB1 antibody (ab97522)

Paraffin embedded mouse prostate tissue stained for DDB1 using ab97522 at 1/500 dilutions in immunohistochemical analysis.

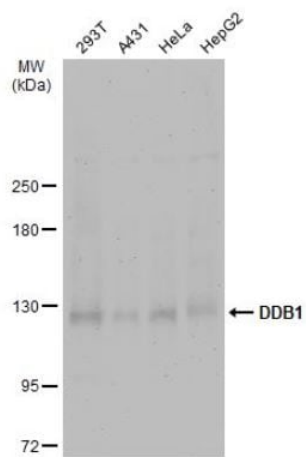


Western blot - Anti-DDB1 antibody (ab97522)

Anti-DDB1 antibody (ab97522) at 1/1000 dilution + NIH/3T3 whole cell lysate at 30 µg

Predicted band size: 127 kDa

7.5% SDS-PAGE.



Western blot - Anti-DDB1 antibody (ab97522)

All lanes : Anti-DDB1 antibody (ab97522) at 1/1000 dilution

Lane 1 : HEK-293T whole cell extract

Lane 2 : A431 whole cell extract

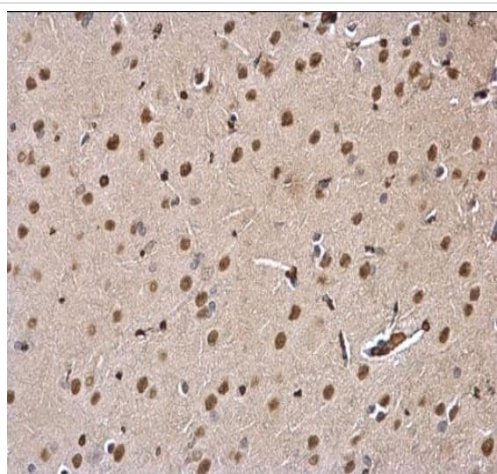
Lane 3 : HeLa whole cell extract

Lane 4 : HepG2 whole cell extract

Lysates/proteins at 30 µg per lane.

Predicted band size: 127 kDa

5% SDS-PAGE



Paraffin embedded rat fore brain tissue stained for DDB1 using ab97522 at 1/500 dilutions in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DDB1 antibody (ab97522)

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