

### Anti-DDB1 antibody ab97522

★★★★★ [4 Abreviews](#) [5 References](#) [8 图像](#)

#### 概述

产品名称	Anti-DDB1抗体
描述	兔多克隆抗体to DDB1
宿主	Rabbit
经测试应用	适用于: WB, IHC-P, ICC/IF
种属反应性	与反应: Mouse, Rat, Human 预测可用于: Cow 
免疫原	Recombinant fragment corresponding to Human DDB1 aa 749-1123. Database link: <a href="#">Q16531</a>
阳性对照	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.
常规说明	<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&amp;As</p>

#### 性能

形式	Liquid
存放说明	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.
存储溶液	pH: 7.00 Preservative: 0.025% Proclin 300 Constituents: 78% PBS, 1% BSA, 20% Glycerol (glycerin, glycerine)
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee      **Abpromise™**承诺保证使用ab97522于以下的经测试应用

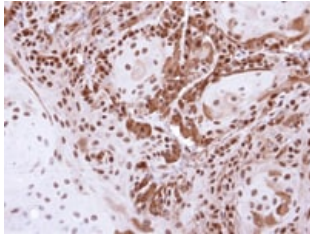
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★★ (2)	1/500 - 1/10000. Predicted molecular weight: 127 kDa.
IHC-P		1/100 - 1/1000.
ICC/IF	★★★★☆ (1)	1/100 - 1/1000.

靶标

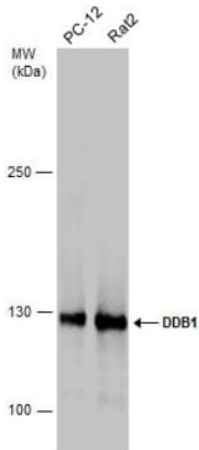
功能	<p>Required for DNA repair. Binds to DDB2 to form the UV-damaged DNA-binding protein complex (the UV-DDB complex). The UV-DDB complex may recognize UV-induced DNA damage and recruit proteins of the nucleotide excision repair pathway (the NER pathway) to initiate DNA repair. The UV-DDB complex preferentially 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.</p>
通路	<p>Protein modification; protein ubiquitination.</p>
序列相似性	<p>Belongs to the DDB1 family.</p>
翻译后修饰	<p>Ubiquitinated by CUL4A. Subsequently degraded by ubiquitin-dependent proteolysis.</p>
细胞定位	<p>Cytoplasm. Nucleus. Primarily cytoplasmic. Translocates to the nucleus following UV irradiation and subsequently accumulates at sites of DNA damage.</p>

图片



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

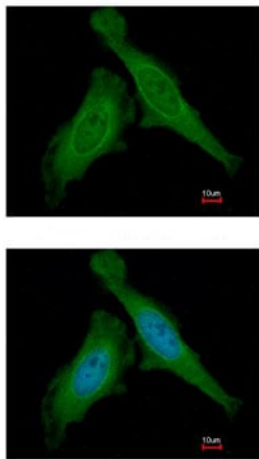
**Lane 1** : PC-12 whole cell extracts

**Lane 2** : Rat2 whole cell extract

Lysates/proteins at 30 µg per lane.

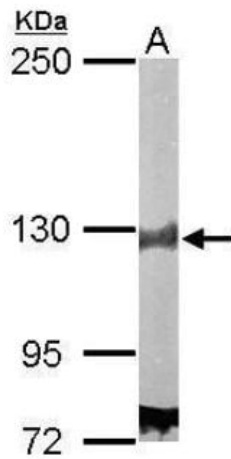
**Predicted band size:** 127 kDa

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.

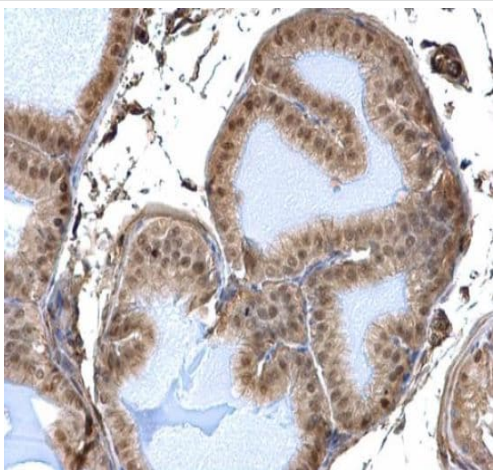


Western blot - Anti-DDB1 antibody (ab97522)

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

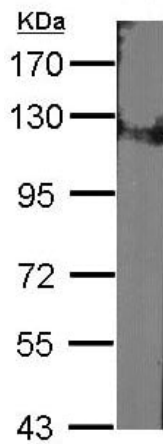
**Predicted band size:** 127 kDa

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.

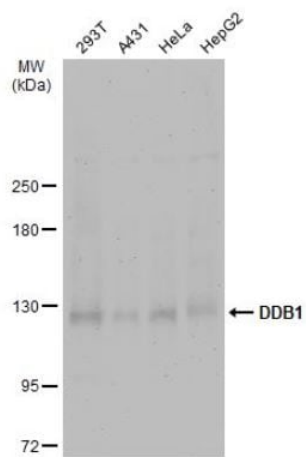


Western blot - Anti-DDB1 antibody (ab97522)

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

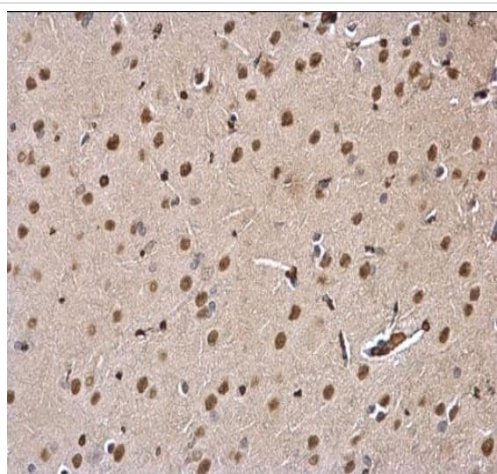
**Lane 3 :** HeLa whole cell extract

**Lane 4 :** HepG2 whole cell extract

Lysates/proteins at 30 µg per lane.

**Predicted band size:** 127 kDa

5% SDS-PAGE



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

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

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