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Research Use Only. Not for diagnostic or therapeutic use.

EB05033-T - Goat Anti-DDB1 Antibody - Trial

Size: 20µg specific antibody in 40µl



Target Protein

Principal Names: DDB1, damage-specific DNA binding protein 1, 127kDa, DDBA, XAP1, XPCE, XPE-BF, UV-DDB1, DDB p127 subunit, damage-specific DNA binding protein 1

(127kD), XPE

Official Symbol: DDB1

Accession Number(s): NP_001914.3

Human GeneID(s): 1642

Non-Human GenelD(s): 64470 (rat)

Immunogen

Peptide with sequence C-DLIKVVEELTRIH, from the C Terminus of the protein sequence according to NP_001914.3.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:32000.

Western blot: Approx 140kDa band observed in lysates of cell line HeLa, HepG2 and Jurkat (calculated MW of 126.9kDa according to Human NP_001914.3). Recommended concentration: 1-2μg/ml. Approx 140kDa band observed in lysates of cell line NIH3T3 and approx 150kDa band observed in lysates of cell line NSO (calculated MW of 126.8kDa according to Mouse NP_056550.1). Recommended concentration: 0.01-0.03μg/ml. Primary incubation was 1 hour. Preliminary testing was unsuccessful on Rat Kidney for this particular batch.

IHC: Paraffin embedded Human Brain (Cortex). Recommended concentration: 4-6µg/ml.

Species Reactivity

Tested: Human, Mouse

Expected from sequence similarity: Human, Mouse, Rat, Dog, Cow

Specific Reference

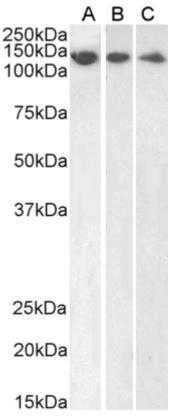
This antibody (previous batch) has been successfully used in WB and IP on Human:

Li T, Robert EI, van Breugel PC, Strubin M, Zheng N.

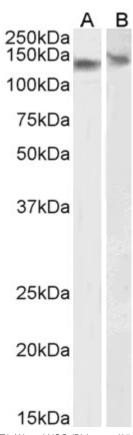
A promiscuous alpha-helical motif anchors viral hijackers and substrate receptors to the CUL4-DDB1 ubiquitin ligase machinery.

Nat Struct Mol Biol. 2010 Jan;17(1):105-11.

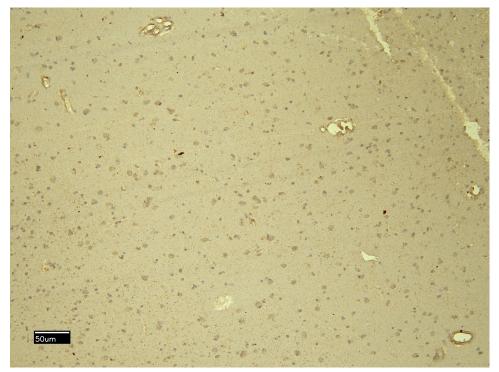
PMID: 19966799



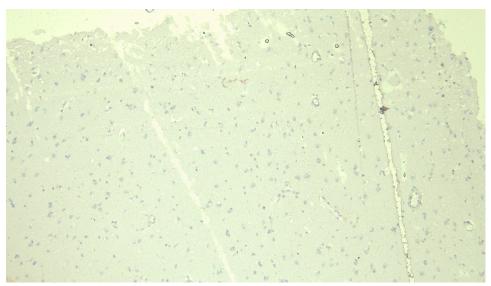
EB05033 (1μg/ml) staining of HeLa (A), HepG2 (B) and Jurkat (C) lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.



EB05033 (0.01μg/ml) staining of NIH3T3 (A) and NSO (B) lysate. (35μg protein in RIPA buffer). Detected by chemiluminescence.



EB05033 (4 μ g/ml) staining of paraffin embedded Human Cortex. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB05033 Negative Control showing staining of paraffin embedded Human Cortex, with no primary antibody.