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Research Use Only. Not for diagnostic or therapeutic use.

Storage: For long-term storage keep aliquots at -20°C. (Store no longer than 12 months at 4°C). Minimize freezing and thawing.

EB05033 - Goat Anti-DDB1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

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

Official Symbol: DDB1

Accession Number(s): NP_001914.3

Human GeneID(s): [1642](#)

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

Immunogen

Peptide with sequence C-DLIKVVVEELTRIH, 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 130kDa band seen in HeLa, Jurkat and NSO (mouse) cell lysates. Recommended for use at 0.5-1.5 µg/ml.

Species Reactivity

Tested: Human, Mouse

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

Specific References

This antibody has been successfully used in the following papers:

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

The goat polyclonal antibody used in the following papers was manufactured by us:

Westbrook TF, Martin ES, Schlabach MR, Leng Y, Liang AC, Feng B, Zhao JJ, Roberts TM, Mandel G, Hannon GJ, Depinho RA, Chin L, Elledge SJ.

A genetic screen for candidate tumor suppressors identifies REST.

Cell. 2005 Jun 17;121(6):837-48.

PMID: 15960972

Leung-Pineda V, Huh J, Piwnicka-Worms H.

DDB1 targets Chk1 to the Cul4 E3 ligase complex in normal cycling cells and in cells experiencing replication stress

Cancer Res. 2009 Mar 15;69(6):2630-7.

PMID: 19276361

Alekseev S, Luijsterburg MS, Pines A, Geverts B, Mari PO, Giglia-Mari G, Lans H, Houtsmuller AB, Mullenders LH, Hoeijmakers JH, Vermeulen W.
Cellular concentrations of DDB2 regulate dynamic binding of DDB1 at UV-induced DNA damage.

Mol Cell Biol. 2008 Dec;28(24):7402-13.

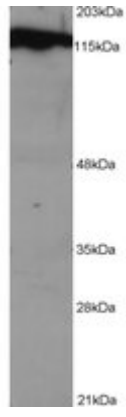
PMID: 18936169

Luijsterburg MS, Goedhart J, Moser J, Kool H, Geverts B, Houtsmuller AB, Mullenders LH, Vermeulen W, van Driel R.

Dynamic in vivo interaction of DDB2 E3 ubiquitin ligase with UV-damaged DNA is independent of damage-recognition protein XPC.

J Cell Sci. 2007 Aug 1;120(Pt 15):2706-16.

PMID: 17635991



EB05033 (1 $\mu\text{g/ml}$) staining of NSO lysate (1E5 cells per lane). Detected by western blot using chemiluminescence.