

ARG63154 anti-DDB1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes DDB1
Tested Reactivity	Hu, Ms
Predict Reactivity	Cow, Rat, Dog
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	DDB1
Species	Human
Immunogen	C-DLIKVVEELTRIH
Conjugation	Un-conjugated
Alternate Names	XPCE; XPCE; DDB p127 subunit; DDBa; UV-damaged DNA-binding factor; HBV X-associated protein 1; DDBA; UV-damaged DNA-binding protein 1; XPE; XAP-1; Damage-specific DNA-binding protein 1; XPE-BF; DNA damage-binding protein a; UV-DDB1; UV-DDB 1; XAP1; Xeroderma pigmentosum group E-complementing protein; XPE-binding factor; DNA damage-binding protein 1

Application Instructions

Application table	Application	Dilution
	IHC-P	Assay - dependent
	WB	1 - 2 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 13194 Mouse](#)

[GeneID: 1642 Human](#)

[Swiss-port # Q16531 Human](#)

[Swiss-port # Q3U1J4 Mouse](#)

Background

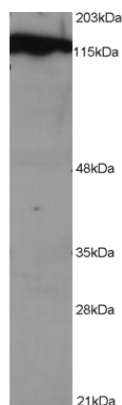
The protein encoded by this gene is the large subunit (p127) of the heterodimeric DNA damage-binding (DDB) complex while another protein (p48) forms the small subunit. This protein complex functions in nucleotide-excision repair and binds to DNA following UV damage. Defective activity of this complex causes the repair defect in patients with xeroderma pigmentosum complementation group E (XPE) - an autosomal recessive disorder characterized by photosensitivity and early onset of carcinomas. However, it remains for mutation analysis to demonstrate whether the defect in XPE patients is in this gene or the gene encoding the small subunit. In addition, Best vitelliform macular dystrophy is mapped to the same region as this gene on 11q, but no sequence alternations of this gene are demonstrated in Best disease patients. The protein encoded by this gene also functions as an adaptor molecule for the cullin 4 (CUL4) ubiquitin E3 ligase complex by facilitating the binding of substrates to this complex and the ubiquitination of proteins. [provided by RefSeq, May 2012]

Research Area Gene Regulation antibody

Calculated Mw 127 kDa

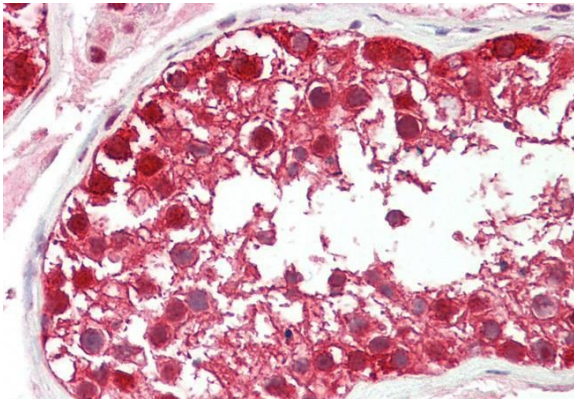
PTM Phosphorylated by ABL1.
Ubiquitinated by CUL4A. Subsequently degraded by ubiquitin-dependent proteolysis.

Images



ARG63154 anti-DDB1 antibody WB image

Western Blot: NSO lysate (1E5 cells per lane) stained with ARG63154 anti-DDB1 antibody at 1 µg/ml dilution.



ARG63154 anti-DDB1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human testis tissue.
Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63154 anti-DDB1 antibody at 5 µg/ml dilution followed by AP-staining.



ARG63154 anti-DDB1 antibody WB image

Western blot: 35 µg of HeLa (A), HepG2 (B) and Jurkat (C) cell lysates (in RIPA buffer) stained with ARG63154 anti-DDB1 antibody at 1 µg/ml dilution and incubated at RT for 1 hour.



ARG63154 anti-DDB1 antibody WB image

Western blot: 35 µg of NIH/3T3 (A) and NSO (B) cell lysates (in RIPA buffer) stained with ARG63154 anti-DDB1 antibody at 0.01 µg/ml dilution and incubated at RT for 1 hour.