Recombinant DDB2 Monoclonal Antibody

catalog number: **AN301920L**

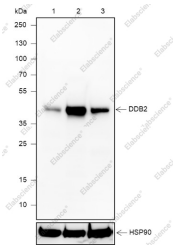
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human
Immunogen	A synthetic peptide of human DDB2
Host	Rabbit
Isotype	Rabbit IgG
Clone	C321541
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:1000-1:5000
IHC-P	1:500-1:2000

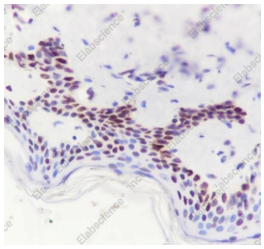
Data



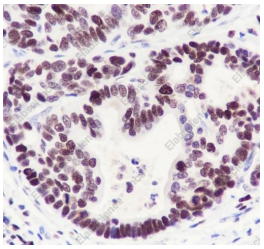
Western Blot with DDB2 Monoclonal Antibody at dilution of 1:1000. Lane 1: SK-BR-3 (Low expression), Lane 2: HeLa, Lane 3: Raji

Observed-MW:48 kDa

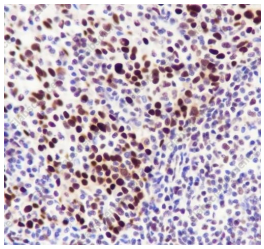
Calculated-MW:48 kDa



Immunohistochemistry of paraffin-embedded Human skin using DDB2 Monoclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded Human gastric cancer using DDB2 Monoclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded Human tonsil using DDB2 Monoclonal Antibody at dilution of 1:1000.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

Toll-free: 1-888-852-8623
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Web: www.elabscience.com
Email: techsupport@elabscience.com

Damaged DNA-Binding Protein (DDB) consists of a 127 kDa subunit (DDB-1) and a 48 kDa subunit (DDB-2) that contribute to the formation of the UV-damaged DNA-binding protein complex (UV-DDB). In conjunction with CUL4A and ROC-1, the UV-DDB complex forms an E3 ubiquitin ligase that recognizes a broad spectrum of DNA lesions such as cyclobutane pyrimidine dimers, 6-4 photoproducts, apurinic sites and short mismatches. The complex polyubiquitinates components of the nucleotide excision repair pathway. Loss of DDB activity has been identified in a subset of xeroderma pigmentosum complementation group E (XP-E) patients and has been linked to the deficient repair of cyclobutane pyrimidine dimers in cells derived from these patients.

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