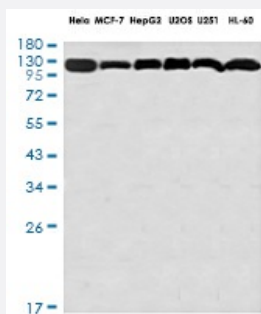


RecomAb™

DDB1 recombinant monoclonal antibody, clone R07-2A3

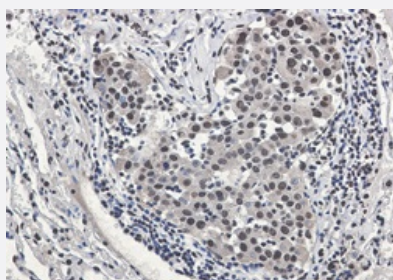
Catalog # RAB01462 Size 100 uL

Applications



Western Blot

Western blot analysis of DDB1 in HeLa, MCF-7, HepG2, U2OS, U251, HL-60 lysates using DDB1 antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry analysis of paraffin-embedded Human lung cancer using DDB1 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human DDB1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human DDB1.
Theoretical MW (kDa)	Calculated MW: 127 k
Reactivity	Human
Form	Liquid

Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry Immunofluorescence Immunohistochemistry (Frozen sections) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) Immunoprecipitation Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In 50mM Tris-Glycine, pH 7.4, (0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C. For longer storage, aliquot and store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of DDB1 in Hela, MCF-7, HepG2, U2OS, U251, HL-60 lysates using DDB1 antibody.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry analysis of paraffin-embedded Human lung cancer using DDB1 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

- Immunohistochemistry (Frozen sections)

- Immunocytochemistry

- Immunofluorescence

- Immunoprecipitation

Gene Info — DDB1

Entrez GeneID [1642](#)

Protein Accession# [Q16531](#)

Gene Name	DDB1
Gene Alias	DDBA, UV-DDB1, XAP1, XPCE, XPE, XPE-BF
Gene Description	damage-specific DNA binding protein 1, 127kDa
Omim ID	600045
Gene Ontology	Hyperlink
Gene Summary	<p>This gene encodes the large subunit of DNA damage-binding protein which is a heterodimer composed of a large and a small subunit. This protein functions in nucleotide-excision repair. Its defective activity causes the repair defect in the patients with xeroderma pigmentosum complementation group E (XPE). 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 alterations of this gene are demonstrated in Best disease patients. [provided by RefSeq]</p>
Other Designations	DDB p127 subunit damage-specific DNA binding protein 1 damage-specific DNA binding protein 1 (127kD)

Pathway

- [Nucleotide excision repair](#)
- [Ubiquitin mediated proteolysis](#)