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Datasheet for ABIN2175752 anti-RAD23B antibody (AA 24-120)

2 Images



Overview

-	
Quantity:	100 μL
Target:	RAD23B
Binding Specificity:	AA 24-120
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RAD23B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunocytochemistry (ICC), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human hHR23b
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Pig,Rabbit
Purification:	Purified by Protein A.
Target Details	
Target:	RAD23B

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Target Details	
Alternative Name:	hHR23b (RAD23B Products)
Background:	Synonyms: P58, HR23B, HHR23B, UV excision repair protein RAD23 homolog B, XP-C repair-
	complementing complex 58 kDa protein, RAD23B
	Background: Multiubiquitin chain receptor involved in modulation of proteasomal degradation.
	Binds to polyubiquitin chains. Proposed to be capable to bind simultaneously to the 26S
	proteasome and to polyubiquitinated substrates and to deliver ubiquitinated proteins to the
	proteasome. May play a role in endoplasmic reticulum-associated degradation (ERAD) of
	misfolded glycoproteins by association with PNGase and delivering deglycosylated proteins to
	the proteasome. Involved in global genome nucleotide excision repair (GG-NER) by acting as
	component of the XPC complex. Cooperatively with CETN2 appears to stabilize XPC. May
	protect XPC from proteasomal degradation. The XPC complex is proposed to represent the firs
	factor bound at the sites of DNA damage and together with other core recognition factors, XPA
	RPA and the TFIIH complex, is part of the pre-incision (or initial recognition) complex. The XPC
	complex recognizes a wide spectrum of damaged DNA characterized by distortions of the DNA
	helix such as single-stranded loops, mismatched bubbles or single-stranded overhangs. The
	orientation of XPC complex binding appears to be crucial for inducing a productive NER. XPC
	complex is proposed to recognize and to interact with unpaired bases on the undamaged DNA
	strand which is followed by recruitment of the TFIIH complex and subsequent scanning for
	lesions in the opposite strand in a 5'-to-3' direction by the NER machinery. Cyclobutane
	pyrimidine dimers (CPDs) which are formed upon UV-induced DNA damage esacpe detection
	by the XPC complex due to a low degree of structural perurbation. Instead they are detected by
	the UV-DDB complex which in turn recruits and cooperates with the XPC complex in the
	respective DNA repair. In vitro, the XPC:RAD23B dimer is sufficient to initiate NER, it
	preferentially binds to cisplatin and UV-damaged double-stranded DNA and also binds to a
	variety of chemically and structurally diverse DNA adducts.
Gene ID:	5887
UniProt:	P54727
Pathways:	DNA Damage Repair
Application Details	
Application Notes:	WB 1:300-5000

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500

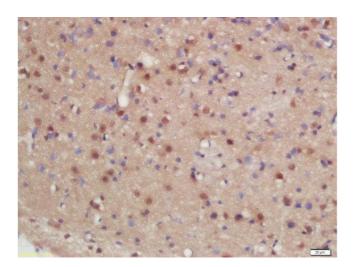
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	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
	ICC 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

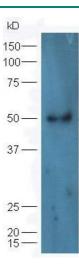
Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin embedded rat brain labeled with Rabbit Anti-hHR23b Polyclonal Antibody, Unconjugated (ABIN2175752) at 1:200 followed by conjugation to the secondary antibody and DAB staining

Images



Western Blotting

Image 2. Lane 1: Raji lysates probed with Rabbit AntihHR23b Polyclonal Antibody, Unconjugated (ABIN2175752) at 1:300 overnight at 4 °C. Followed by conjugation to secondary antibody at 1:5000 for 90 min at 37 °C.

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