

For Research Use Only

DDB2 Polyclonal antibody

Catalog Number: 10431-1-AP **2 Publications**



Basic Information

Catalog Number: 10431-1-AP	GenBank Accession Number: BC000093	Purification Method: Antigen affinity purification
Size: 300 µg/ml	GeneID (NCBI): 1643	Recommended Dilutions: WB 1:500-1:2000 IF 1:20-1:200
Source: Rabbit	UNIPROT ID: Q92466	
Isotype: IgG	Full Name: damage-specific DNA binding protein 2, 48kDa	
Immunogen Catalog Number: AG0691	Calculated MW: 48 kDa	
	Observed MW: 48-50 kDa	

Applications

Tested Applications: IF/ICC, WB, ELISA	Positive Controls: WB : HeLa cells, A431 cells
Cited Applications: WB	IF : HeLa cells,
Species Specificity: human, mouse, rat	
Cited Species: human	

Background Information

DDB2, also named as DNA damage-binding protein 2 or UV-damaged DNA-binding protein 2, is a 427 amino acid protein, which contains seven WD repeats and belongs to the WD repeat DDB2/WDR76 family. DDB2 is ubiquitously expressed, with highest levels in corneal endothelium and lowest levels in brain. DDB2 localizes in the nucleus and is required for DNA repair. DDB2 regulates negatively the constitutive expression of the SOD2 gene in breast cancer cells and exerts, at least in part, a control of breast cancer cell growth. DDB2 can play a role as oncogene and may become a promising candidate as a predictive marker in breast cancer.

Notable Publications

Author	Pubmed ID	Journal	Application
Ahmed Farid E FE	21156963	Cancer Genomics Proteomics	
Beibei Li	37936118	J Transl Med	WB

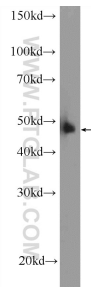
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

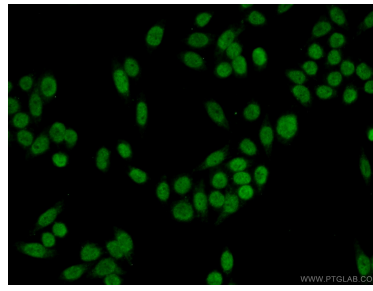
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Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 10431-1-AP (DDB2 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HeLa cells using 10431-1-AP (DDB2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).