

For Research Use Only

DDX19A Polyclonal antibody

Catalog Number: 15209-1-AP **1 Publications**



Basic Information

Catalog Number: 15209-1-AP	GenBank Accession Number: BC005162	Purification Method: Antigen affinity purification
Size: 400 µg/ml	GeneID (NCBI): 55308	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:200-1:800
Source: Rabbit	UNIPROT ID: Q9NUU7	
Isotype: IgG	Full Name: DEAD (Asp-Glu-Ala-As) box polypeptide 19A	
Immunogen Catalog Number: AG7362	Calculated MW: 54 kDa	
	Observed MW: 44 kDa and 54 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: WB	WB : HEK-293 cells, HepG2 cells, K-562 cells, HeLa cells
Species Specificity: human	IHC : human ovary tumor tissue,
Cited Species: human	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

DDX19A, also known as DDX19L, belongs to the DEAD-box helicase family. DDX19A was identified as a novel cytosolic RNA sensor that could activate the NLRP3 inflammasome during virus infection. In addition, DDX19A was proven to be associated with NADPH oxidase 1 (NOX1)-mediated oxidative stress in tumor necrosis factor (TNF)- α -induced A549 cell (PMID: 33968728). DDX19A has 2 isoforms with the molecular mass of 44 and 54 kDa. DDX19A may represent biomarkers of metastasis and novel therapeutic targets in CSCC patients.

Notable Publications

Author	Pubmed ID	Journal	Application
Jiangnan Li	26538395	J Immunol	WB

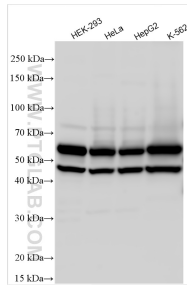
Storage

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

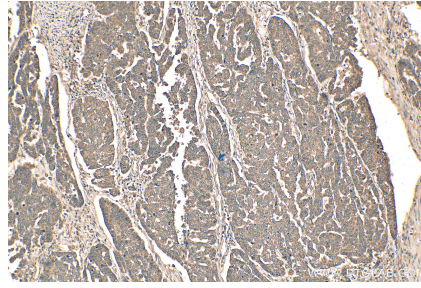
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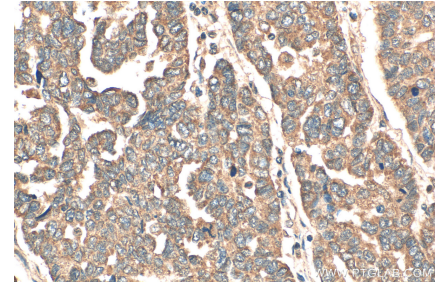
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 15209-1-AP (DDX19A antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 15209-1-AP (DDX19A antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 15209-1-AP (DDX19A antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).