

For Research Use Only

RNF114 Polyclonal antibody

Catalog Number: 14338-1-AP



Basic Information

Catalog Number: 14338-1-AP	GenBank Accession Number: BC066919	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 ug/ml by Nanodrop;	GeneID (NCBI): 55905	Recommended Dilutions: WB 1:1000-1:8000
Source: Rabbit	UNIPROT ID: Q9Y508	IHC 1:300-1:1200
Isotype: IgG	Full Name: ring finger protein 114	IF/ICC 1:50-1:500
Immunogen Catalog Number: AG5649	Calculated MW: 26 kDa	
	Observed MW: 26 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	WB : Jurkat cells, MCF-7 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human ovary cancer tissue,
	IF/ICC : BGC-823 cells,

Background Information

RNF114, also known as ZNF228 or ZNF313, is a member of the zinc-binding protein family. RNF114 contains two C2H2 and Ring finger zinc-binding domains and a ubiquitin-interacting motif (UIM). RNF114 functions as an E3 ligase in the ubiquitin-proteasome system and plays an important role in basic cellular processes in different types of cells. RNF114 is expressed widely in many normal tissues, such as the heart, liver, and kidney. RNF114 has 2 isoforms with the molecular mass of 21 and 26 kDa. RNF114 is a novel determinant of psoriasis susceptibility, and its overexpression is a crucial indicator of epithelial inflammation (PMID: 34104941, 35069903, 37523804).

Storage

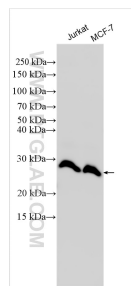
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

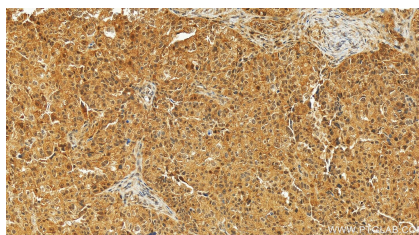
For technical support and original validation data for this product please contact:
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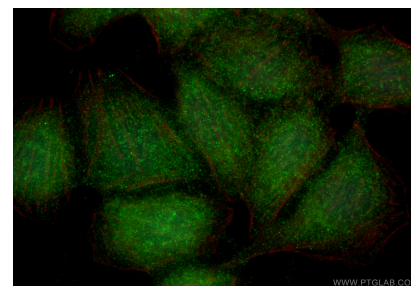
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 14338-1-AP (RNF114 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 14338-1-AP (RNF114 antibody) at dilution of 1:600 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed BGC-823 cells using RNF114 antibody (14338-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).