For Research Use Only

cGAS Polyclonal antibody Catalog Number:29958-1-AP 13 Publications

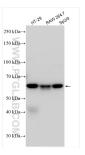


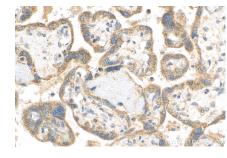
Basic Information	Catalog Number: 29958-1-AP	GenBank Accession Number: BC145651	Purification Method: Antigen affinity purification	
	Size:	GenelD (NCBI):	Recommended Dilutions:	
	150ul , Concentration: 350 ug/ml by	214763	WB 1:1000-1:6000	
	Nanodrop;	UNIPROT ID:	IHC 1:50-1:500 IF/ICC 1:50-1:500	
	Source:	Q8C6L5	IF/ICC 1:50-1:500	
	Rabbit	Full Name: RIKEN cDNA E330016A19 gene		
	Isotype: IgG			
	Immunogen Catalog Number: AG31677	Calculated MW: 58 kDa		
		Observed MW: 58 kDa		
Applications	Tested Applications:	Positive Controls:		
	WB, IHC, IF/ICC, ELISA	WB : HT-2	WB : HT-29 cells, RAW 264.7 cells, Sp2/0 cells	
	Cited Applications: WB, IF	IHC : human placenta tissue, human lung tissue, mouse lung tissue		
	Species Specificity: human, mouse	IF/ICC : T	HP-1 cells,	
	Cited Species: human, mouse, rat			
	Note-IHC: suggested antigen (TE buffer pH 9.0; (*) Alternati	vely, antigen		
	retrieval may be performed w buffer pH 6.0	ith citrate		
Background Information	cGAS (cyclic GMP-AMP synthase) is a invasion of microbial pathogens such binding to DNA, cGAS undergoes a co cyclic GMP-AMP (cGAMP) from ATP a STING, an ~40 kDa dimeric transmen cytosol but has a multifaceted cellul	cytosolic DNA sensor that serves t h as viruses. cGAS normally reside informational change to an active nd GTP, which is subsequently det ibrane protein at the endoplasmic ar distribution that involves locali lated molecular weight of cGAS is	zation at the cell membrane and in the	
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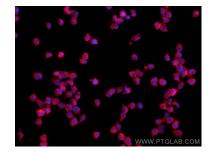
Selected Validation Data





Various lysates were subjected to SDS PAGE followed by western blot with 29958-1-AP (cGAS antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffinembedded human placenta tissue slide using 29958-1-AP (cGAS antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed THP-1 cells using cGAS antibody (29958-1-AP) at dilution of 1:200 and CoraLite®594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4).