

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-cGAS



Numéro de catalogue: 29958-1-AP

Informations de base

Numéro de catalogue:	Numéro d'acquisition GenBank:	Méthode de purification:
29958-1-AP	BC145651	Purification par affinité contre l'antigène
Taille:	Identification du gène (NCBI):	Dilutions recommandées:
150ul, Concentration: 450 µg/ml by Nanodrop;	214763	WB 1:500-1:1000
Hôte:	Nom complet:	IHC 1:50-1:500
Lapin	RIKEN cDNA E330016A19 gene	
Isotype:	MW calculé	
IgG	58 kDa	
Immunogen Catalog Number:	MW observés:	
AG31677	70 kDa	

Applications

Applications testées:

IHC, WB, ELISA

Spécificité de l'espèce:

Humain, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) À défaut, 'le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules HT-29, cellules A549, cellules C2C12, cellules HeLa, cellules MCF-7, cellules Neuro-2a, cellules NIH/3T3, cellules THP-1, cellules U2OS

IHC : tissu placentaire humain, tissu pulmonaire humain

Informations générales

cGAS (cyclic GMP-AMP synthase) is a cytosolic DNA sensor that serves to mount an immune response against the invasion of microbial pathogens such as viruses. cGAS normally resides as an inactive protein in the cell. Upon binding to DNA, cGAS undergoes a conformational change to an active state and produces the second messenger cyclic GMP-AMP (cGAMP) from ATP and GTP, which is subsequently detected by the cyclic-dinucleotide sensor STING, an ~40 kDa dimeric transmembrane protein at the endoplasmic reticulum (ER). cGAS not only is found in the cytosol but has a multifaceted cellular distribution that involves localization at the cell membrane and in the nucleus (PMID: 32424334). The calculated molecular weight of cGAS is 58 kDa. With post-translational modification, the MW of cGAS will be migrated to 70 kDa.

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

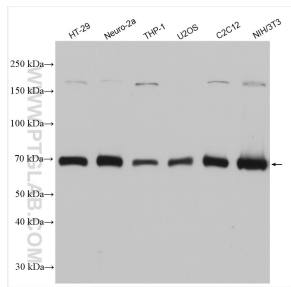
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

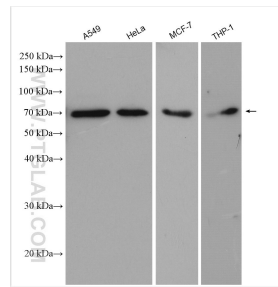
E: proteintech@ptglab.com
W: ptglab.com

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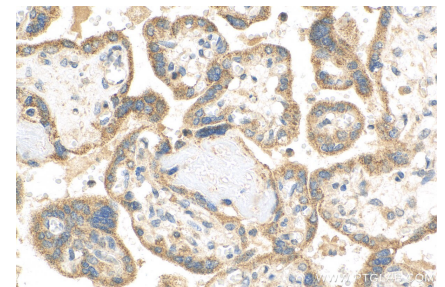
Données de validation sélectionnées



Various lysates were subjected to SDS PAGE followed by western blot with 29958-1-AP (cGAS antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



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Immunohistochemical analysis of paraffin-embedded 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).