

cGAS Rabbit pAb

货号: **AYP25046**

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	IF: Mus musculus , Homo sapiens , Rattus norvegicus IHC: Mus musculus , Rattus norvegicus WB: Homo sapiens , Mus musculus , Rattus norvegicus , Cynoglossus semilaevis WB, IF: Mus musculus
应用	WB IHC IF/ICC
推荐浓度	WB: 1:500 - 1:1000 IHC: 1:50 - 1:200 IF/ICC: 1:50 - 1:200
理论分子量	49kDa/58kDa
实测分子量	62KDa
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	HeLa
细胞定位	Cytoplasm,cytosol
纯化	Affinity purification

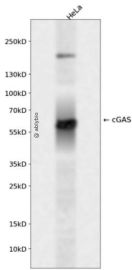
抗原信息

抗原信息	Recombinant fusion protein containing a sequence corresponding to amino acids 400-522 of human cGAS (NP_612450.2).
序列	KEEKCCRKDKCLKMKYLLKLEQLKERFKDKKHLDFSSYHVKTAFHFVCTQNPQDSQWDRKDLGLCFDNCVTFYFLQCLRTE KLENYFIPEFNLFSSNLIDKRSKEFLTKQIEYERNNEFPVFDEF

靶点信息

研究背景	Nucleotidyltransferase that catalyzes the formation of cyclic GMP-AMP (cGAMP) from ATP and GTP and plays a key role in innate immunity. Catalysis involves both the formation of a 2',5' phosphodiester linkage at the GpA step and the formation of a 3',5' phosphodiester linkage at the ApG step, producing c[G(2',5')pA(3',5')p]. Acts as a key cytosolic DNA sensor, the presence of double-stranded DNA (dsDNA) in the cytoplasm being a danger signal that triggers the immune responses. Binds cytosolic DNA directly, leading to activation and synthesis of cGAMP, a second messenger that binds to and activates TMEM173/STING, thereby triggering type-I interferon production.
基因ID	115004
基因名	MB21D1
Swiss	Q8N884
别名	MB21D1;C6orf150;cGAS;h-cGAS;CGAS

产品验证



Western blot analysis of cGAS expressed in HeLa using cGAS Rabbit pAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

实验步骤

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