

Datasheet for ABIN7266387
anti-C6orf150 antibody (pSer420)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	C6orf150
Binding Specificity:	pSer420
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This C6orf150 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Phospho-CGAS-S420 Rabbit pAb
Immunogen:	A phospho synthetic peptide corresponding to residues surrounding S420 of Mouse CGAS.
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Characteristics:	Phosphorylated Antibodies
Purification:	Affinity purification

Target Details

Target:	C6orf150
Alternative Name:	CGAS (C6orf150 Products)

Target Details

Background: The protein encoded by this gene is a DNA binding cytosolic protein that catalyzes the synthesis of cyclic guanosine monophosphate-adenosine monophosphate (cGAMP) after sensing the presence of DNA in the cytoplasm. cGAMP binds another protein, Stimulator of interferon genes (STING), leading to the induction of interferons, and a host immune response. Reduced expression of this gene inhibits interferon induction in the presence of some viral infections. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014],E330016A19Rik, cGAS,CGAS

Gene ID: 214763

UniProt: [Q8C6L5](#)

Pathways: [Activation of Innate immune Response](#)

Application Details

Application Notes: WB,1:500 - 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

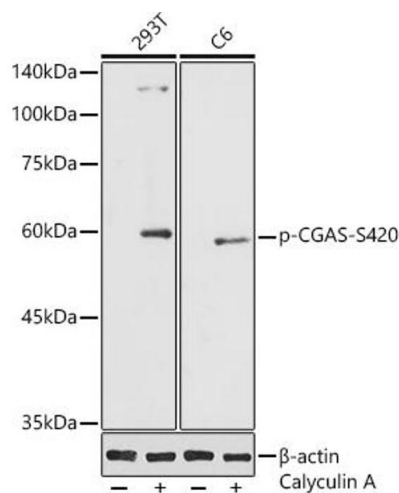
Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using Phospho-CGAS-S420 antibody (ABIN7266387) at 1:1000 dilution. 293T and C6 cells were treated by Calyculin A (100 nM) at 37 °C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.