

SENP7 (internal region) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2728a

Specification

SENP7 (internal region) Antibody (internal region) - Product Information

Application	E
Primary Accession	O9BOF6
Other Accession	NP_001070671.1 , NP_065705.3 , 57337 , 66315 (mouse), 288167 (rat)
Predicted Host	Human, Mouse, Rat
Clonality	Goat
Concentration	Polyclonal
Isotype	0.5 mg/ml
Calculated MW	IgG
	119658

SENP7 (internal region) Antibody (internal region) - Additional Information

Gene ID 57337

Other Names

Sentrin-specific protease 7, 3.4.22.68, SUMO-1-specific protease 2, Sentrin/SUMO-specific protease
SENP7, SENP7, KIAA1707, SSP2, SUSP2

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

SENP7 (internal region) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

SENP7 (internal region) Antibody (internal region) - Protein Information

Name SENP7 {ECO:0000303|Ref.2, ECO:0000312|HGNC:HGNC:30402}

Function

Protease that acts as a positive regulator of the cGAS-STING pathway by catalyzing desumoylation of CGAS. Desumoylation of CGAS promotes DNA-binding activity of CGAS, subsequent oligomerization and activation (By similarity). Deconjugates SUMO2 and SUMO3 from targeted proteins, but not SUMO1 (PubMed:18799455). Catalyzes the deconjugation of poly-SUMO2 and poly-SUMO3 chains (PubMed:18799455)

target="_blank">18799455). Has very low efficiency in processing full-length SUMO proteins to their mature forms (PubMed:18799455).

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:Q8BUH8}.

SEN7 (internal region) Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SEN7 (internal region) Antibody (internal region) - Images**SEN7 (internal region) Antibody (internal region) - Background**

This antibody is expected to recognize both reported isoforms (NP_001070671.1; NP_065705.3)

SEN7 (internal region) Antibody (internal region) - References

Differential regulation of sentrinized proteins by a novel sentrin-specific protease. Gong,L., Millas,S., Maul,G.G. and Yeh,E.T.J. Biol. Chem. 275 (5), 3355-3359 (2000) PMID: 10652325