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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	Q9BQF6
Other Accession	NP_001070671.1, NP_065705.3, 57337, 66315 (mouse), 288167 (rat)
Predicted	**Human, Mouse, Rat, Cow**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**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:<a href="http://www.uniprot.org/citations/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}.

SENP7 (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 Cytomety
- Cell Culture

SENP7 (internal region) Antibody (internal region) - Images

SENP7 (internal region) Antibody (internal region) - Background

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

SENP7 (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