

**SNM1 (C Term) Antibody (C-Term)**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF2404a****Specification**

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**SNM1 (C Term) Antibody (C-Term) - Product Information**

Application	E
Primary Accession	<a href="#">Q6PJP8</a>
Other Accession	<a href="#">NP_055696.3</a> , <a href="#">9937</a>
Predicted	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	116400

**SNM1 (C Term) Antibody (C-Term) - Additional Information****Gene ID** 9937**Other Names**

DNA cross-link repair 1A protein, SNM1 homolog A, hSNM1, hSNM1A, DCLRE1A, KIAA0086, SNM1, SNM1A

**Dilution**

E~~N/A

**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**

SNM1 (C Term) Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**SNM1 (C Term) Antibody (C-Term) - Protein Information****Name** DCLRE1A**Synonyms** KIAA0086, SNM1, SNM1A**Function**

May be required for DNA interstrand cross-link repair. Also required for checkpoint mediated cell cycle arrest in early prophase in response to mitotic spindle poisons. Possesses beta-lactamase

activity, catalyzing the hydrolysis of penicillin G and nitrocefin (PubMed:<a href="http://www.uniprot.org/citations/31434986" target="\_blank">31434986</a>). Exhibits no activity towards other beta-lactam antibiotic classes including cephalosporins (cefotaxime) and carbapenems (imipenem) (PubMed:<a href="http://www.uniprot.org/citations/31434986" target="\_blank">31434986</a>).

#### **Cellular Location**

Nucleus. Note=In some cells it may be found in typically 1 or 2 discrete nuclear aggregates of unknown function which also contain TP53BP1. Also found in multiple discrete nuclear foci which increase in number following treatment with ionizing radiation or interstrand cross-linking agents. These foci overlap with those formed by the MRN complex (composed of MRE11, RAD50 and NBN) and BRCA1

#### **Tissue Location**

Expressed in brain, heart, kidney, liver, pancreas, placenta and skeletal muscle.

### **SNM1 (C Term) Antibody (C-Term) - 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](#)

### **SNM1 (C Term) Antibody (C-Term) - Images**

### **SNM1 (C Term) Antibody (C-Term) - References**

hSmn1 colocalizes and physically associates with 53BP1 before and after DNA damage. Richie CT, Peterson C, Lu T, Hittelman WN, Carpenter PB, Legerski RJ. Mol Cell Biol. 2002 Dec;22(24):8635-47. PMID: 12446782