

SNM1 / DCLRE1A (internal) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2478a**Specification**

SNM1 / DCLRE1A (internal) Antibody (internal region) - Product Information

Application	E
Primary Accession	Q6PJP8
Other Accession	NP_055696.3 , 9937
Predicted	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	116400

SNM1 / DCLRE1A (internal) Antibody (internal region) - 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 / DCLRE1A (internal) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

SNM1 / DCLRE1A (internal) Antibody (internal region) - 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:31434986). Exhibits no activity towards other beta-lactam antibiotic classes including cephalosporins (cefotaxime) and carbapenems (imipenem) (PubMed:31434986).

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 / DCLRE1A (internal) 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](#)

SNM1 / DCLRE1A (internal) Antibody (internal region) - Images

SNM1 / DCLRE1A (internal) Antibody (internal region) - References

Deficiency in SNM1 abolishes an early mitotic checkpoint induced by spindle stress. Akhter S, Richie CT, Deng JM, Brey E, Zhang X, Patrick C Jr, Behringer RR, Legerski RJ. Mol Cell Biol. 2004 Dec;24(23):10448-55. PMID: 15542852