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DCLRE1A / SNM1 Antibody (Internal)

Goat Polyclonal Antibody

Catalog # ALS11898

Specification

DCLRE1A / SNM1 Antibody (Internal) - Product Information

Application	**IHC**
Primary Accession	Q6PJP8
Reactivity	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Calculated MW	**116kDa KDa**

DCLRE1A / SNM1 Antibody (Internal) - Additional Information

Gene ID 9937

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

Target/Specificity
Human DCLRE1A / SNM1.

Reconstitution & Storage
Store at -20°C. Minimize freezing and thawing.

Precautions
DCLRE1A / SNM1 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

DCLRE1A / SNM1 Antibody (Internal) - 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

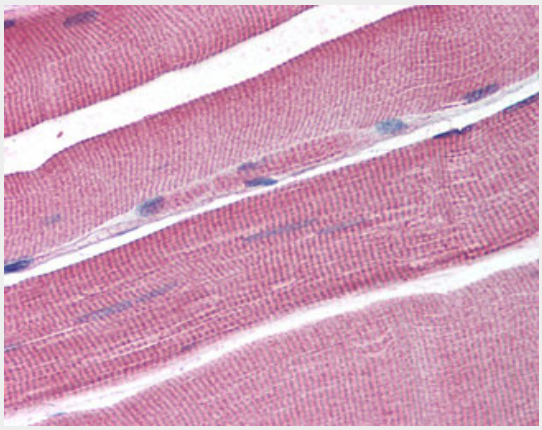
Tissue Location
Expressed in brain, heart, kidney, liver, pancreas, placenta and skeletal muscle.

DCLRE1A / SNM1 Antibody (Internal) - 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

DCLRE1A / SNM1 Antibody (Internal) - Images



Anti-DCLRE1A / SNM1 antibody IHC of human skeletal muscle.

DCLRE1A / SNM1 Antibody (Internal) - Background

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.

DCLRE1A / SNM1 Antibody (Internal) - References

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Deloukas P.,et al.Nature 429:375-381(2004).
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