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SMARCAD1 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI10695

Specification

SMARCAD1 antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q9H4L7
Other Accession	NM_020159, NP_064544
Reactivity	**Human, Rat, Rabbit, Pig, Horse, Bovine, Dog**
Predicted	**Human, Rat, Pig, Horse, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**117kDa KDa**

SMARCAD1 antibody - N-terminal region - Additional Information

Gene ID 56916

Alias Symbol	**DKFZp762K2015, ETL1, KIAA1122, HEL1, ADERM**

Other Names
SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A containing DEAD/H box 1, 3.6.4.12, ATP-dependent helicase 1, hHEL1, SMARCAD1, KIAA1122

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-SMARCAD1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
SMARCAD1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

SMARCAD1 antibody - N-terminal region - Protein Information

Name SMARCAD1

Synonyms KIAA1122

Function
DNA helicase that possesses intrinsic ATP-dependent nucleosome-remodeling activity and is both required for DNA repair and heterochromatin organization. Promotes DNA end resection of double-strand breaks (DSBs) following DNA damage: probably acts by weakening histone DNA interactions in nucleosomes flanking DSBs. Required for the restoration of heterochromatin organization after

replication. Acts at replication sites to facilitate the maintenance of heterochromatin by directing H3 and H4 histones deacetylation, H3 'Lys-9' trimethylation (H3K9me3) and restoration of silencing.

Cellular Location
Nucleus. Chromosome. Note=Colocalizes with PCNA at replication forks during S phase. Recruited to double-strand breaks (DSBs) sites of DNA damage

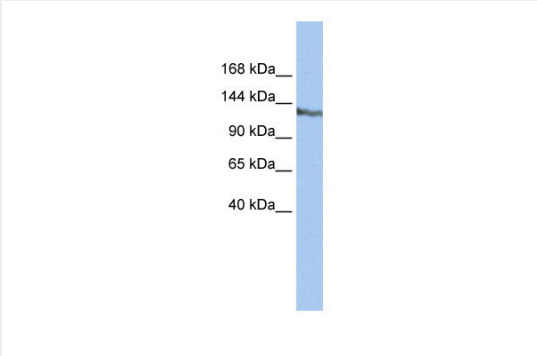
Tissue Location
Isoform 1 is expressed ubiquitously. Isoform 3 is expressed mainly in skin and esophagus. Expressed in fibroblasts and keratinocytes (at protein level) (PubMed:29409814)

SMARCAD1 antibody - N-terminal 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

SMARCAD1 antibody - N-terminal region - Images



WB Suggested Anti-SMARCAD1 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:62500
Positive Control: HepG2 cell lysate

SMARCAD1 antibody - N-terminal region - References

Olsen,J.V., (2006) Cell 127 (3), 635-648 Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.