

Rabbit anti-Human SMARCAD1 Polyclonal Antibody | anti-SMARCAD1 antibody

SMARCAD1 Antibody

CATALOG # AAA323503	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

SMARCAD1; Polyclonal Antibody; SMARCAD1 Antibody; ATP dependent helicase 1; ATP-dependent helicase 1; ETL1; hHEL1; Smarcad1; SMRCD_HUMAN; SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A containing DEAD/H box 1; anti-SMARCAD1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	SMARCAD1 antibody detects endogenous levels of total SMARCAD1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1028
Applicable Applications for anti-SMARCAD1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus.
Tissue Specificity	Isoform 1 is expressed ubiquitously. Isoform 3 is expressed mainly in skin, fibroblasts, keratinocytes and esophagus.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (92%), Bovine (92%), Horse (92%), Sheep (92%), Rabbit (83%), Dog (92%)
Conjugation	Unconjugated

IMAGES



WB (Western Blot)

Western blot analysis of SMARCAD1 expression in HepG2 cell lysate ; The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA323503 at 1/100 staining Human breast cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-SMARCAD1 antibody	Description: Probable ATP-dependent DNA helicase. 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. Subunit Structure: Binds to DNA preferentially in the vicinity of transcriptional start sites. Interacts with MSH2 and TRIM28. Part of a complex composed of TRIM28, HDAC1, HDAC2 and EHMT2. Interacts with PCNA. Similarity: Belongs to the SNF2/RAD54 helicase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	190358532
NCBI GeneID	56916
NCBI Accession #	NP_001121901.1
NCBI GenBank Nucleotide #	NM_001128429.2
UniProt Accession #	Q9H4L7; Q05D56; Q96SX1; Q9H017; Q9H860; Q9NPU9; Q9ULU7; B7Z799
Molecular Weight	Observed: 117 kDa Predicted: 118 kDa
NCBI Official Full Name	SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A containing DEAD/H box 1 isoform a
NCBI Official Synonym Full Names	SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfamily a, containing DEAD/H box 1
NCBI Official Symbol	SMARCAD1
NCBI Official Synonym Symbols	ETL1; HEL1; ADERM; BASNS
NCBI Protein Information	SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A containing DEAD/H box 1
UniProt Protein Name	SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A containing DEAD/H box 1
UniProt Gene Name	SMARCAD1
UniProt Synonym Gene Names	KIAA1122; hHEL1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/smarcad1-antibody-immunohistochemistry-western-blot-elisa/323503>