

Rabbit anti-Human SMYD4 Polyclonal Antibody | anti-SMYD4 antibody

SMYD4 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286016	Rabbit	Human	Immunohistochemistry, Western Blot, ELISA, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

SMYD4; Polyclonal Antibody; SMYD4 Antibody (C-term); SET and MYND domain-containing protein 4; 211-; KIAA1936; anti-SMYD4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SMYD4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 541-568 amino acids from the C-terminal region of human SMYD4.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.41 (varies by lot)
Sequence Positions	541-568
Sequence Length	804
Applicable Applications for anti-SMYD4 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA, FCM/FACS (Flow Cytometry)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

SMYD4 Antibody (C-term) flow cytometric analysis of MDA-MB435 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

SMYD4 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of SMYD4 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

SMYD4 Antibody (C-term) western blot analysis in MDA-MB435 cell line lysates (35ug/lane). This demonstrates the SMYD4 antibody detected the SMYD4 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-SMYD4 antibody	The specific function of the protein remains unknown.
Product Categories/Family for anti-SMYD4 antibody	Cancer
References	O'Seaghdha, C.M., et al. Hum. Mol. Genet. 19(21):4296-4303(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Hu, L., et al. Cancer Res. 69(9):4067-4072(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	156616308
NCBI GeneID	114826
NCBI Accession #	NP_443160.2
NCBI GenBank Nucleotide #	NM_052928.2
UniProt Accession #	Q8IYR2; Q8N1P2; Q8NAT0; Q96LV4; Q96PV2
Molecular Weight	89225
NCBI Official Full Name	SET and MYND domain-containing protein 4
NCBI Official Synonym Full Names	SET and MYND domain containing 4
NCBI Official Symbol	SMYD4
NCBI Official Synonym Symbols	ZMYND21
NCBI Protein Information	SET and MYND domain-containing protein 4
UniProt Protein Name	SET and MYND domain-containing protein 4
UniProt Gene Name	SMYD4
UniProt Synonym Gene Names	KIAA1936
UniProt Entry Name	SMYD4_HUMAN

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/smyd4-antibody-immunohistochemistry-western-blot-flow-cytometry-elisa/286016>