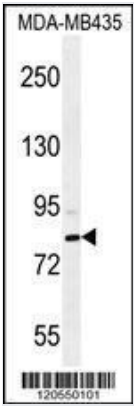
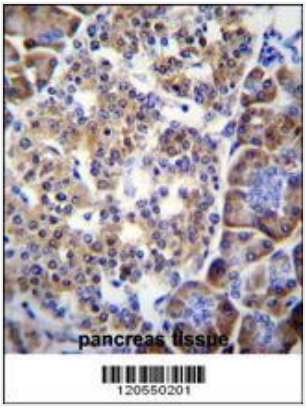
SMYD4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

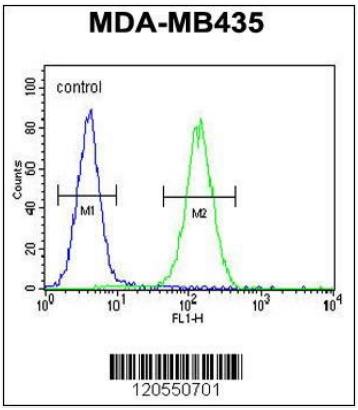
Product Name	SMYD4, Polyclonal Antibody
Full Product Name	SMYD4, CT (SMYD4, KIAA1936, SET and MYND domain-containing protein 4)
Product Gene Name	anti-SMYD4 antibody
Product Synonym Names	Anti -SMYD4, CT (SMYD4, KIAA1936, SET and MYND domain-containing protein 4)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2, 0.09% sodium azide.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Human
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	89,225 Da
Chromosome Location	Chromosome: 17; NC_000017.10 (1682829..1733175, complement). Location: 17p13.3
3D Structure	ModBase 3D Structure for Q8IYR2
Immunogen	SMYD4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 548-576 amino acids from the C-terminal region of human SMYD4.
Product Categories/Family for anti-SMYD4 antibody	Antibodies; Abs to KIAA; orf
Applications Tested/Suitable for anti-SMYD4 antibody	ELISA (EL/EIA), Western Blot (WB), Immunohistochemistry (IHC), Flow Cytometry (FC/FACS)
Application Notes for anti-SMYD4 antibody	Suitable for use in Western Blot, Immunohistochemistry, Flow Cytometry, ELISA Dilution: ELISA: 1:1,000 Western Blot: 1:100-500 Immunohistochemistry: 1:50-100 Flow Cytometry: 1:10-50
Related Product Information for anti-SMYD4 antibody	MBS6003707 is an antibody targeting SMYD4. Also known as SMYD4, CT (SMYD4, KIAA1936, SET and MYND domain-containing protein 4). Reactive in Human. Host: Rabbit. The specific function of the protein remains unknown.
Other Notes	Small volumes of anti-SMYD4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-SMYD4 antibody
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).



Immunohistochemistry (IHC) of anti-SMYD4 antibody
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.



Flow Cytometry (FC/FACS) of anti-SMYD4 antibody
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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SMYD4. It may not necessarily be applicable to this product.

NCBI GI #	156616308
NCBI GeneID	114826
NCBI Accession #	NP_443160.2
UniProt Primary Accession #	Q8IYR2
UniProt Secondary Accession #	Q8N1P2; Q8NAT0; Q96LV4; Q96PV2
UniProt Related Accession #	Q8IYR2
GenBank Nucleotide #	NM_052928.2
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
UniProt Protein Name	SET and MYND domain-containing protein 4
Protein Family	SET and MYND domain-containing protein

UniProt Gene Name	SMYD4
UniProt Synonym Gene Names	KIAA1936
UniProt Entry Name	SMYD4_HUMAN
NCBI Protein Information	SET and MYND domain-containing protein 4
UniProt Comments for SMYD4	SMYD4: Belongs to the class V-like SAM-binding methyltransferase superfamily Protein type: Methyltransferase, protein lysine, predicted Chromosomal Location of Human Ortholog: 17p13.3 Molecular Function: methyltransferase activity; metal ion binding Biological Process: methylation
Research Articles on SMYD4	**1.** Clinical trial of gene-disease association and gene-environment interaction. (HuGE Navigator)
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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