

Rabbit anti-Human OLFML2B Polyclonal Antibody | anti-OLFML2B antibody

Anti-OLFML2B Antibody Picoband

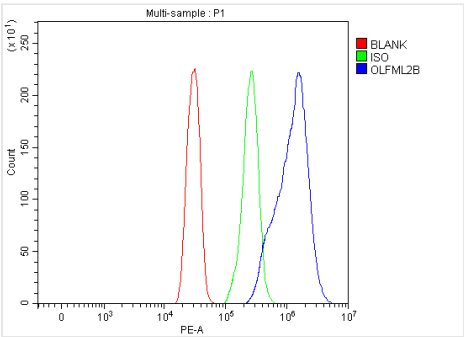
CATALOG # AAA127892	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Flow Cytometry, Functional Assay, Western Blot
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PRODUCT SYNONYMS

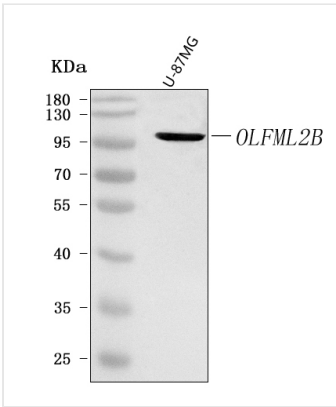
OLFML2B; Polyclonal Antibody; Anti-OLFML2B Antibody Picoband; Transmembrane protein 240; kelch repeat and BTB domain containing 2; Kelch repeat and BTB domain-containing protein 2; BTB and kelch domain-containing protein 1; KBTBD2; BKLHD1; KIAA1489; anti-OLFML2B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Detected in liver, skeletal muscle, kidney, pancreas, spleen, thyroid, testis, ovary, small intestine and colon.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-OLFML2B antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human OLFML2B recombinant protein (Position: I23-N671).
Subcellular Localization	Cul3-RING ubiquitin ligase complex
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	Required for DNA double-strand breaks (DSBs) formation in unsynapsed regions during meiotic recombination. Probably acts by forming a complex with MEI4 and REC114, which activates DSBs formation in unsynapsed regions, an essential step to ensure completion of synapsis. Not required for HORMAD1 functions in pairing-independent synaptonemal complex formation, ATR recruitment to unsynapsed axes, meiotic silencing of unsynapsed chromatin (MSUC) or meiotic surveillance.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of SiHa cells using anti-OLFML2B antibody (AAA127892). Overlay histogram showing SiHa cells stained with AAA127892 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-OLFML2B Antibody (AAA127892, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



WB (Western Blot)
Figure 1. Western blot analysis of OLFML2B using anti-OLFML2B antibody (AAA127892). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human U-87MG whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-OLFML2B antigen affinity purified polyclonal antibody (#AAA127892) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for OLFML2B at approximately 96 kDa. The expected band size for OLFML2B is at 84 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-OLFML2B antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-OLFML2B antibody	Primary Antibodies; Cell Biology
References	1. Liu, J. , Liu, Z. , Zhang, X. , Gong, T. , & Yao, D. . (2019). Bioinformatic exploration of olfml2b overexpression in gastric cancer base on multiple analyzing tools. BMC Cancer, 19(1), 1-10. 2. Nolte, I. M. , Wallace, C. , Newhouse, S. J. , Waggott, D. , Fu, J. , & Soranzo, N. , et al. (2009). Common genetic variation near the phospholamban gene is associated with cardiac repolarisation: meta-analysis of three genome-wide association studies. PLoS ONE, 4(7), e6138.3. Reiner, A. , Beleza, S. , Franceschini, N. , Auer, P. , Robinson, J. , & Kooperberg, C. , et al. (2012). Genome-wide association and population genetic analysis of c-reactive protein in african american and hispanic american women. The American Journal of Human Genetics, 91(3), 502-512.

NCBI AND UNIPROT INFORMATION

NCBI GI #	46195719
NCBI GeneID	25903
NCBI Accession #	NP_056256.1
NCBI GenBank Nucleotide #	NM_015441.2
UniProt Accession #	Q68BL8; Q5VU96; Q6NX46; Q86X11; Q9Y3X6; B7ZA39
NCBI Official Full Name	olfactomedin-like protein 2B isoform 2
NCBI Official Synonym Full Names	olfactomedin-like 2B
NCBI Official Symbol	OLFML2B

NCBI Protein Information	olfactomedin-like protein 2B; photomedin-2
UniProt Protein Name	Olfactomedin-like protein 2B
UniProt Gene Name	OLFML2B
UniProt Entry Name	OLM2B_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://www.aaabiotech.com/polyclonal/olfml2b-antibody-flow-cytometry-western-blot-elisa/127892>