

Rabbit anti-Human PROSER3 Polyclonal Antibody | anti-PROSER3 antibody

Anti-PROSER3 Antibody Picoband

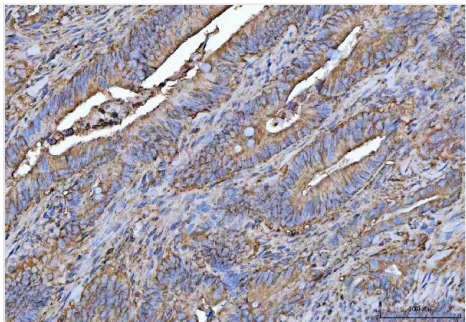
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127890	Rabbit	Human	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

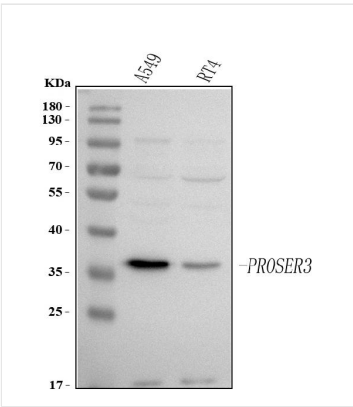
PROSER3; Polyclonal Antibody; Anti-PROSER3 Antibody Picoband; Transmembrane protein 240; kelch repeat and BTB domain containing 2; Kelch repeat and BTB domain-containing protein 2; BTB and kelch domain-containing protein 1; KBTBD2; BKLHD1; KIAA1489; anti-PROSER3 antibody

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-PROSER3 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E coli-derived human PROSER3 recombinant protein (Position: D2-R426).
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.



IHC (Immunohistochemistry)
Figure 2. IHC analysis of PROSER3 using anti-PROSER3 antibody (AAA127890).PROSER3 was detected in a paraffin-embedded section of human colorectal adenocarcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-PROSER3 Antibody (AAA127890) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



WB (Western Blot)
Figure 1. Western blot analysis of PROSER3 using anti-PROSER3 antibody (AAA127890).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 A549 whole cell lysates,Lane 2: human RT4 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-PROSER3 antigen affinity purified polyclonal antibody (#AAA127890) 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 PROSER3 at approximately 36 kDa. The expected band size for PROSER3 is at 53,36,20 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PROSER3 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-PROSER3 antibody	Primary Antibodies; Cell Biology
References	1. Zhang, Y. , Shang, L. , Zhang, J. , Liu, Y. , Jin, C. , & Zhao, Y. , et al. (2022). An antibody-based proximity labeling map reveals mechanisms of sars-cov-2 inhibition of antiviral immunity.2. Gordon, D. E. , Hiatt, J. , Bouhaddou, M. , Rezelj, V. V. , & Shun-Shion, A. S. . (2020). Comparative host-coronavirus protein interaction networks reveal pan-viral disease mechanisms. Science, 370(6521).3. William, B, Redwin, Morgan, E, & DeSanti, et al. (2017). The human cytoplasmic dynein interactome reveals novel activators of motility. Elife.

NCBI AND UNIPROT INFORMATION

NCBI GeneID	148137
UniProt Accession #	Q2NL68
Molecular Weight	Observed Molecular Weight: 36kDa Calculated Molecular Weight: 24145
UniProt Protein Name	Uncharacterized protein C19orf55
UniProt Gene Name	C19orf55
UniProt Entry Name	CS055_HUMAN

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