

Rabbit anti-Human LEMD3 Polyclonal Antibody | anti-LEMD3 antibody

Anti-LEMD3 Antibody, Rabbit Polyclonal

CATALOG # AAA256927	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

LEMD3; Polyclonal Antibody; Anti-LEMD3 Antibody; Rabbit Polyclonal; LEMD3 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-MAN1 Antibody; anti-LEMD3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human LEMD3
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-LEMD3 antibody	IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human LEMD3 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human LEMD3 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human LEMD3 in human rectum with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human LEMD3 in human testis with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-LEMD3 antibody	LEM domain-containing protein 3 (LEMD3) is an integral inner nuclear membrane protein and a compelling target for two reasons: 1) it is a known inhibitor of TGFbeta signaling; 2) it is biophysically connected to the cell's cytoskeleton, which is remodeled in an ECM stiffness-dependent fashion. LEMD3 binds and inactivates the downstream transcription factor partners of both TGFbeta and bone morphogenic protein (BMP), the receptor proteins' mothers against decapentaplegic (Smads) 2 and 3 and 1, 5, and 8, respectively. In humans, heterozygous loss of LEMD3 is frequently, but not always, associated with the development of Buschke-Ollendorf syndrome (BOS).
References	Chambers DM, et al. (2018) Lem domain-containing protein 3 antagonizes tgfbeta-smad2/3 signaling in a stiffness-dependent manner in both the nucleus and cytosol. J Biol Chem 293 (41): 15867-15886.

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/lemd3-antibody-immunohistochemistry-elisa/256927>