

Rabbit anti-Human CEACAM16 Polyclonal Antibody | anti-CEACAM16 antibody

Anti-CEACAM16 Antibody, Rabbit Polyclonal

CATALOG # AAA256994	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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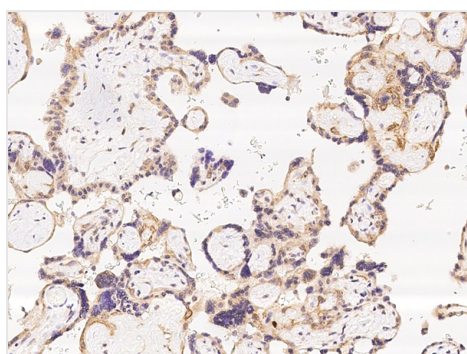
PRODUCT SYNONYMS

CEACAM16; Polyclonal Antibody; Anti-CEACAM16 Antibody; Rabbit Polyclonal; CEACAM16 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-CEAL2 Antibody; anti-CEACAM16 antibody

PRODUCT SPECIFICATIONS

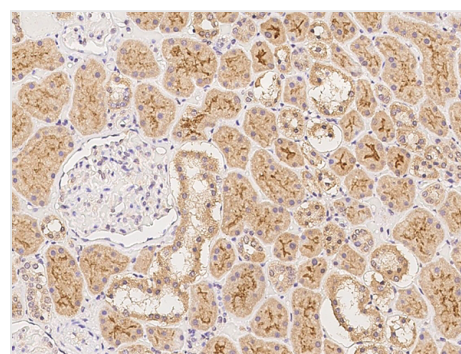
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human CEACAM16
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-CEACAM16 antibody	IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human CEACAM16 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human CEACAM16 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 CEACAM16 in human placenta with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human CEACAM16 in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-CEACAM16 antibody	One gene essential to normal tectorial membrane (TM) function is CEACAM16. It is expressed almost exclusively in the inner ear, where it is transcribed and translated in the supporting cells and secreted into the matrix of the TM. The encoded 425-amino acid (aa) peptide belongs to the large and diverse carcinoembryonic antigen-related cell adhesion molecule (CEACAM) family. Unlike other members of this family, CEACAM16 has two Ig-like V-type domains flanking two Ig-like C2-type domains and no transmembrane domain/anchor. CEACAM16 interacts with other TM proteins like TECTA and TECTB and its targeted deletion in mice results in patho-morphological defects of the TM and hearing loss. CEACAM16 is a non-collagenous protein of the tectorial membrane, an extracellular structure of the cochlea essential for normal hearing. Dominant and recessive mutations in CEACAM16 have been reported to cause postlingual and progressive forms of deafness in humans.
References	Goodyear RJ, et al. (2019) Accelerated age-related degradation of the tectorial membrane in the ceacam16(betagal/betagal) null mutant mouse, a model for late-onset human hereditary deafness dfnb113. Front Mol Neurosci 12 147.Booth KT, et al. (2018) Old gene, new phenotype: Splice-altering variants in ceacam16 cause recessive non-syndromic hearing impairment. J Med Genet 55 (8): 555-560.

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/ceacam16-antibody-immunohistochemistry-elisa/256994>