

Rabbit anti-Human UNC13C Polyclonal Antibody | anti-UNC13C antibody

Anti-UNC13C Antibody, Rabbit Polyclonal

CATALOG # AAA256776	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

UNC13C; Polyclonal Antibody; Anti-UNC13C Antibody; Rabbit Polyclonal; UNC13C Antibody; Rabbit PAb; Antigen Affinity Purified; anti-UNC13C antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human UNC13C
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-UNC13C antibody	IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human UNC13C fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human UNC13C 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 UNC13C in human liver with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human UNC13C in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-UNC13C antibody	UNC13C (Munc13-3) proteins form the Unc/Munc family of three, primarily brain-specific phorbol ester receptors (Munc13-1/2/3) in mammals. Munc13-1 is a component of presynaptic active zones in which it acts as an essential synaptic vesicle priming protein. In contrast to Munc13-1, which is present in most neurons throughout the rat and mouse CNS, Munc13-3 is almost exclusively expressed in the cerebellum. Munc13-3 mRNA is present in granule and Purkinje cells but absent from glia cells. Munc13-3 protein is localized to the synaptic neuropil of the cerebellar molecular layer but is not found in Purkinje cell dendrites, suggesting that Munc13-3, like Munc13-1, is a presynaptic protein at parallel fiber-Purkinje cell synapses. UNC13C plays a role in vesicle maturation during exocytosis and in neurotransmitter release. UNC13C was frequently altered (10-22% of patients) in Gingivo-buccal oral squamous cell carcinoma (OSCC-GB) patients. UNC13C is predicted in regulating neurotransmitter release; alterations in UNC13C could be associated with predisposition to tobacco addiction, which might enhance the risk of oral cancer. UNC13C is a novel tumor suppressor and an essential regulator of EMT signaling pathway during OSCC progression, and thus it could be used as a target for preventing oral cancer metastasis.
References	Velmurugan BK, et al. (2019) Unc13c suppress tumor progression via inhibiting emt pathway and improves survival in oral squamous cell carcinoma. Front Oncol 9 728.Rajagopalan A, et al. (2014) Reduced gene expression levels of munc13-1 and additional components of the presynaptic exocytosis machinery upon conditional targeting of vglut2 in the adolescent mouse. Synapse 68 (12): 624-633.Augustin I, et al. (2001) The cerebellum-specific munc13 isoform munc13-3 regulates cerebellar synaptic transmission and motor learning in mice. J Neurosci 21 (1): 10-17.

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/unc13c-antibody-immunohistochemistry-elisa/256776>