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Datasheet for ABIN347487

anti-COL4a3 antibody (C-Term)

1 Image

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Overview

Quantity:	100 µL
Target:	COL4a3 (COL4A3)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COL4a3 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Synthetic peptide derived from Cter domain of human COL4A3
Isotype:	IgG
Specificity:	Reacts with human fragment (26 kDa) and precursor (161 kDa) of COL4A3 protein
Cross-Reactivity:	Mouse (Murine)
Cross-Reactivity (Details):	Cross reacts with mouse, rat, Zebrafish and other species.
Purification:	Antiserum

Target Details

Target:	COL4a3 (COL4A3)
Alternative Name:	Collagen alpha-3 (IV) Chain (COL4A3 Products)

Target Details

UniProt: [Q01955](#)

Pathways: [Sensory Perception of Sound, Positive Regulation of Endopeptidase Activity](#)

Application Details

Application Notes: Working dilution: Optimal dilution should be determined by the end user.
The following are guidelines only :
IHC(1:50 - 1:500) WB(1:500 - 1:2000)

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Must be reconstituted in distilled water.

Storage: 4 °C/-20 °C

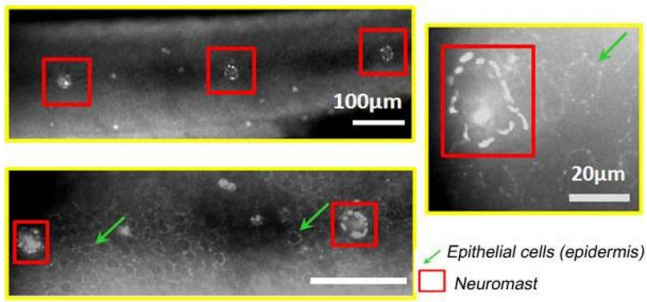
Storage Comment: Lyophilized powder stable for a minimum of 2 years at -20°C. Store reconstituted antibodies at +4°C. For extended periods store in aliquots at -20°C. Antibodies are guaranteed for 6 month from date of receipt.

Expiry Date: 24 months

Publications

Product cited in: Thevenard, Ramont, Mir, Dupont-Deshorgue, Maquart, Monboisse, Brassart-Pasco: "A new anti-tumor strategy based on in vivo tumstatin overexpression after plasmid electrotransfer in muscle." in: **Biochemical and biophysical research communications**, Vol. 432, Issue 4, pp. 549-52, (2013) ([PubMed](#)).

Jones, Wang, Dookie, Griffin: "The role of TG2 in ECV304-related vasculogenic mimicry." in: **Amino acids**, Vol. 44, Issue 1, pp. 89-101, (2013) ([PubMed](#)).



Immunofluorescence staining of collagen IV alpha 3 chain (col4a3)
in developping zebrafish

At 72 hour post fertilization (hpf), antibodies to collagen IV alpha3 chain (pab0412)
stain neuromasts and epidermis in zebrafish

Courtesy from E. GUILLON and F. RUGGIERO, IGFL, ENS de Lyon, France

Image 1.