

Anti-TMEM240 Recombinant Chicken Chimeric mAb

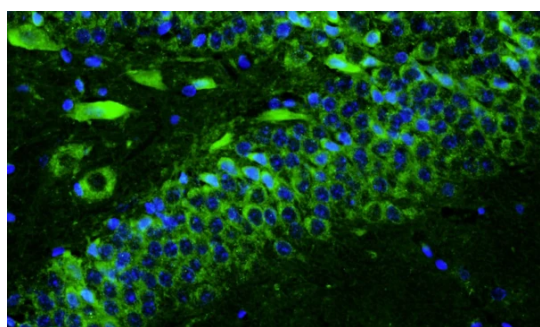


Product Details

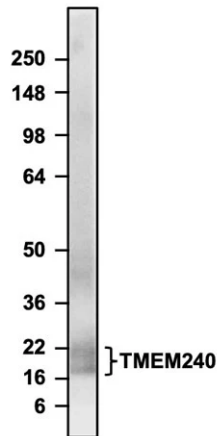
Available Variants	100 µL (SKU:78-533) 20 µL (SKU:78-533-020)
Conjugate	Unconjugated
Isotype	IgY
Clone	N498/28
Gene Name	TMEM240
Host Species	Chicken
Concentration	1 mg/mL
Format	Purified by affinity chromatography
Physical State	Liquid
Buffer	1X PBS, 0.05% Sodium Azide pH 7.4
Production Notes	This recombinant antibody is a chimeric antibody created by replacing the mouse heavy and light constant regions of clone N498/28 with chicken IgY heavy and light constant regions. As such this antibody retains the same binding performance as the original clone N498/28 but can be detected using standard anti-chicken secondary antibodies allowing flexibility for multiplexing applications. This antibody is expressed recombinantly in mammalian cells and then affinity purified from the cell culture media.
Applications	ELISA, ICC, IHC, WB
Dilution Ranges	WB: 1:500-1:2000 WB Brain: 1:500-1:2000 IHC: 1:100-1:500 ICC: 1:100-1:500
Species Reactivity	Human, Mouse, Rat

Immunogen	Recombinant protein comprising amino acids 26-89 (ER luminal domain) and 111-173 (cytoplasmic domain) of human TMEM240 (SCA21; C1orf70, TMEM240, accession number Q5SV17) connected by a Gly8 linker, produced recombinantly in E. Coli.
Specificity	No cross-reactivity reported
Molecular Weight	20 kDa
Quality Control	Each new lot of antibody is quality control tested by Western blot on rat brain membrane fraction and confirmed to stain the expected molecular weight band.
Storage	Aliquot and store at $\leq -20^{\circ}\text{C}$ for long term storage. For short term storage, store at $2-8^{\circ}\text{C}$. For maximum recovery of product, centrifuge the vial prior to removing the cap.
UniProt ID	<u>Q5SV17</u>
Country of Origin	United States
Shipping	Shipped on ice packs
Expiration	24 months from date of receipt
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.

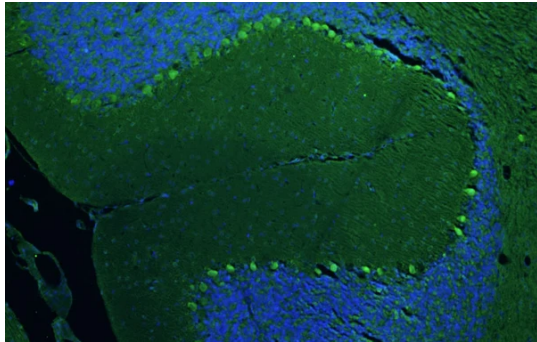
Product Images



Immunohistochemistry for detection of TMEM240 in adult rat hippocampus using Aves Labs' anti-TMEM240 recombinant chicken monoclonal antibody [N498/28] (Cat No. 78-533). Tissue was fixed with 4% paraformaldehyde and paraffin embedded. Heat induced antigen retrieval was performed using citrate buffer (Cat No. AR-6544) and then blocked with Immuno Protein Blocking Solution with Goat Serum (Cat No. AR-6591). The anti-TMEM240 antibody (Cat No. 78-533) was incubated with the sample at a dilution of 1:250 at 4C overnight. After washing with PBST, the sections were stained using goat anti-chicken IgY CF488 secondary antibody (Cat No. 80-1001-488) (green). DAPI nuclear stain (blue) shows cell nuclei.



Western blot detection of TMEM240 using Aves Labs' anti-TMEM240 recombinant chicken monoclonal antibody [N498/28] (Cat No. 78-533). 4-20% Tris-Glycine Gel was loaded with rat brain membrane fraction. Proteins were transferred to PVDF membrane and blocked with 5% non-fat milk powder. Anti-TMEM240 antibody was incubated with sample at a concentration of 1 ug/ml and then detected via chemiluminescence (3.5 min) using a Goat Anti-Chicken H+L, HRP conjugated secondary antibody. Anti-TMEM240 recognizes endogenous TMEM240 in the rat brain membrane fraction at the expected molecular weight of ~20 kDa.



Immunohistochemistry for detection of TMEM240 in adult rat cerebellum using Aves Labs' anti-TMEM240 recombinant chicken monoclonal antibody [N498/28] (Cat No. 78-533). Tissue was fixed with 4% paraformaldehyde and paraffin embedded. Heat induced antigen retrieval was performed using citrate buffer (Cat No. AR-6544) and then blocked with Immuno Protein Blocking Solution with Goat Serum (Cat No. AR-6591). The anti-TMEM240 antibody (Cat No.78-533) was incubated with the sample at a dilution of 1:250 at 4C overnight. After washing with PBST, the sections were stained using goat anti-chicken IgY CF488 secondary antibody (Cat No. 80-1001-488) (green). DAPI nuclear stain (blue) shows cell nuclei. Anti-TMEM240 preferentially stains the Purkinje cells in the cerebellum as expected.

Product Page URL: www.antibodiesinc.com/products/anti-tm240-recombinant-antibody-n498-28-78-533



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