

Anti-TMEM240 Picoband Antibody

Catalog # ABO10351

Product Information

Application	WB
Primary Accession	Q5SV17
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Transmembrane protein 240(TMEM240) detection. Tested with WB in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	339453
Other Names	Transmembrane protein 240, TMEM240, C1orf70
Calculated MW	19908
Application Details	Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat
Subcellular Localization	Cell junction, synapse . Cell membrane ; Multi-pass membrane protein .
Source	Eukaryota
Protein Name	Transmembrane protein 240
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Immunogen	E.coli-derived human TMEM240 recombinant protein (Position: M1-L173). Human TMEM240 shares 97.7% amino acid (aa) sequence identity with mouse TMEM240.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins.
Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Protein Information

Name	TMEM240
Synonyms	C1orf70
Cellular Location	Synapse {ECO:0000250 UniProtKB:B2RWJ3}. Cell membrane; Multi-pass membrane protein

Background

TMEM240 is a small, highly conserved transmembrane protein expressed in brain. The TMEM240 gene maps to chromosome 1p36.33. This gene encodes a transmembrane-domain containing protein found in the brain and cerebellum. Mutations in this gene result in spinocerebellar ataxia 21.

Images

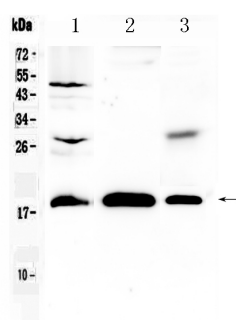


Figure 1. Western blot analysis of TMEM240 using anti-TMEM240 antibody (ABO10351). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: rat brain tissue lysates, Lane 2: NIH3T3 whole Cell lysates, Lane 3: COLO320 whole cell lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti- TMEM240 antigen affinity purified polyclonal antibody (Catalog # ABO10351) at 0.5 μ g/mL overnight at 4 $^{\circ}$ C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for TMEM240 at approximately 19KD. The expected band size for TMEM240 is at 19KD.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.