

[Primary Antibody]

TMEM106B Rabbit pAb



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ANTIBODIES

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— DATASHEET

Host: Rabbit

Isotype: IgG

Applications: WB (1:500-2000)

Clonality: Polyclonal

GeneID: 54664

SWISS: Q9NUM4

Target: TMEM106B

Immunogen: KLH conjugated synthetic peptide derived from human TMEM106B: 101-200/274.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

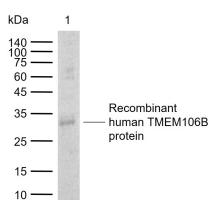
Background: TMEM106B is a 274 amino acid single-pass membrane protein that is encoded by a gene which maps to human chromosome 7. Chromosome 7 houses over 1,000 genes and comprises nearly 5% of the human genome. Defects in some of the genes localized to chromosome 7 have been linked to Osteogenesis imperfecta, Pendred syndrome, Lissencephaly, Citrullinemia and Shwachman-Diamond syndrome. The deletion of a portion of the q arm of chromosome 7 is associated with Williams-Beuren syndrome, a condition characterized by mild mental retardation, an unusual comfort and friendliness with strangers and an elfin appearance. Deletions of portions of the q arm of chromosome 7 are also seen in a number of myeloid disorders, including cases of acute myelogenous leukemia and myelodysplasia.

Reactivity: Human (predicted: Mouse, Rat, Rabbit, Pig, Sheep, Cow, Dog, Horse)

Predicted
MW.: 31 kDa

Subcellular Location: Cell membrane ,Cytoplasm

— VALIDATION IMAGES



Sample: Lane 1: Recombinant human TMEM106B protein, N-Trx-His(bs-42250P)
Primary: Anti-TMEM106B (bs-11694R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 31 kDa Observed band size: 32 kDa

— SELECTED CITATIONS

- **[IF=41.582]** Andrew Chang. et al. Homotypic fibrillization of TMEM106B across diverse neurodegenerative diseases. Cell. 2022 Mar;; WB ;Human. 35247328
- **[IF=4.39]** Satoh, Jun-ichi, et al. "TMEM106B expression is reduced in Alzheimers disease brains." Alzheimers Research & Therapy 6.2 (2014): 17. WB := "Human". 24684749

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.