

## Anti-TMEM106B Antibody (2Z232)

### Product Details

Ig Type:	IgG2a, Kappa
Reactivity:	Human
Clone:	2Z232
Purification:	Protein G purified

### Applications

Verified Activity:	1. Tissue: Human colon
	Section type: Formalin fixed & Paraffin-embedded section
	Retrieval method: High temperature and high pressure
	Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary ab dilution: 1:100
	Primary ab incubation condition: 1 hour at room temperature
	Counter stain: Hematoxylin
	Comment: Color brown is the positive signal for TMAB-13588
	2. Tissue: Human cerebellum
	Section type: Formalin fixed & Paraffin-embedded section
	Retrieval method: High temperature and high pressure
	Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary ab dilution: 1:100
	Primary ab incubation condition: 1 hour at room temperature
	Counter stain: Hematoxylin
	Comment: Color brown is the positive signal for TMAB-13588
	3. Blocking buffer: 5% NFDm/TBST
Primary ab dilution: 1:1000	
Primary ab incubation condition: 4°C, overnight	
Lysate: HeLa, SH-SY5Y, U87MG	
Protein loading quantity: 20 µg	
Exposure time: 60 s	
Predicted MW: 40 kDa	
Observed MW: 40 kDa	
Application:	WB,IHC-P,IHC-Fr,IF
Recommended	WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

### Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Gene ID: 54664

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### Research 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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