

## Anti-TMEM176A Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse (predicted:Rat)
Molecular Weight:	Theoretical: 26 kDa. Actual: 26 kDa.
Purification:	Protein A purified

### Applications

Verified Activity:	<p>1. Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (TMEM176A) Polyclonal Antibody, Unconjugated (TMAB-13595) at 1: 400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.</p> <p>2. Protein: HepG2 (human) lysates at 30 µg; Primary: rabbit Anti-TMEM176A (TMAB-13595) at 1:300; Secondary: HRP conjugated Goat-Anti-rabbit IgG at 1: 5000; Predicted band size: 26 kD Observed band size: 26 kD</p> <p>3. Tissue/cell: mouse embryo tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-TMEM176A Polyclonal Antibody, Unconjugated (TMAB-13595) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining</p> <p>4. Protein: mouse kidney lysates, 30 µg; Primary: Anti-TMEM176A (TMAB-13595) at 1:300; Secondary: HRP conjugated Goat Anti-Rabbit IgG at 1:5000; ECL excited the fluorescence; Predicted band size: 24 kD Observed band size: 24 kD</p> <p>5. Sample: U937 (Human) Cell Lysate at 30 µg Primary: Anti-TMEM176A (TMAB-13595) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 26 kD Observed band size: 25 kD</p>
Application:	WB,IHC-P,IHC-Fr,IF

## A DRUG SCREENING EXPERT

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Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

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### 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.

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### Antigen Details

Immunogen: KLH conjugated synthetic peptide: MOUSE TMEM176A

Antigen Species: Mouse

Gene ID: 66058

Uniprot ID: Q9DCS1

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### Research Background

TMEM176A is a 235 amino acid multi-pass membrane protein belonging to the TMEM176 family. The gene encoding GS188 maps to human chromosome 7, which houses over 1,000 genes and comprises nearly 5% of the human genome. Chromosome 7 has 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.

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