



Rabbit Anti-TMEM176A antibody

SL13622R

Product Name:	TMEM176A
Chinese Name:	Transmembrane protein176A抗体
Alias:	GS188; HCA112; Hepatocellular carcinoma-associated antigen 112; likely ortholog of mouse GS188; T176A MOUSE; Tmem176a; Transmembrane protein 176A.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	26kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from MOUSE TMEM176A:1-100/235
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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.

Subcellular Location:

Membrane.

Similarity:

Belongs to the TMEM176 family.

SWISS:

Q96HP8

Gene ID:

55365

Database links:

[Entrez Gene: 55365](#) Human

[Omim: 610334](#) Human

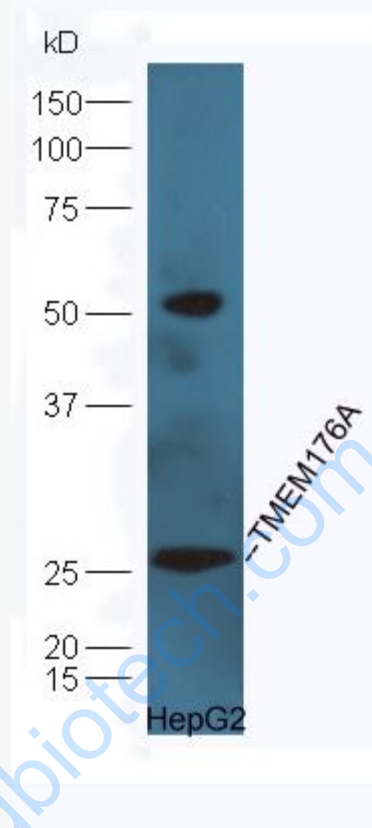
[SwissProt: Q96HP8](#) Human

[Unigene: 647116](#) Human

Important Note:

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

Picture:



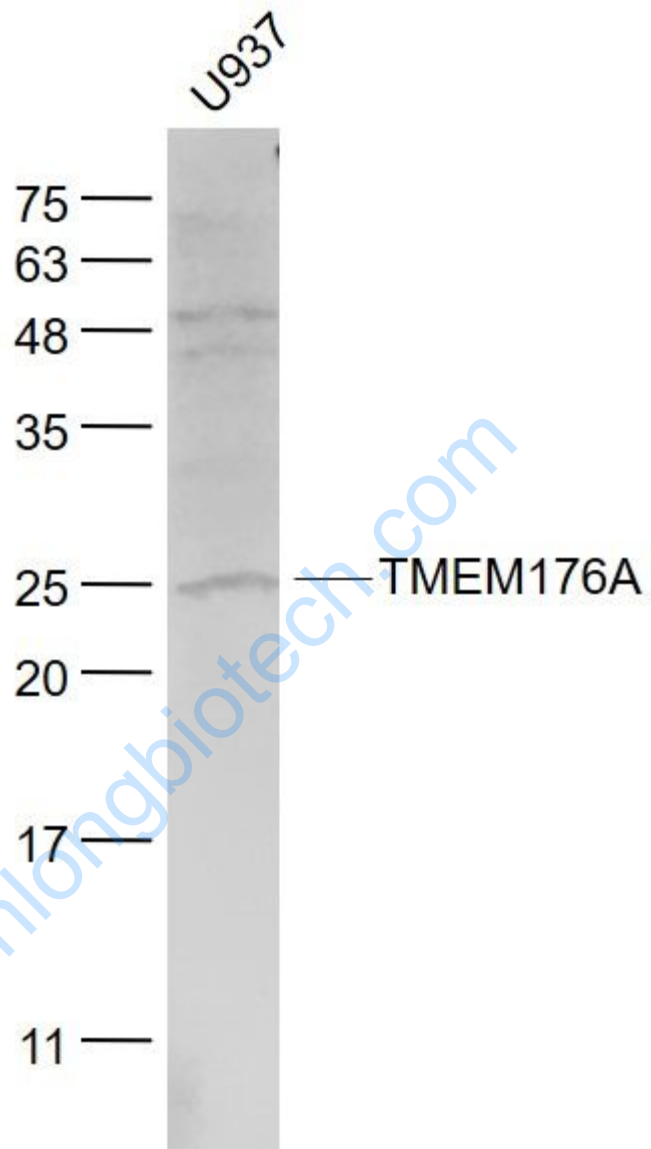
Protein: HepG2(human) lysates at 30ug;

Primary: rabbit Anti-TMEM176A (SL13622R) at 1:300;

Secondary: HRP conjugated Goat-Anti-rabbit IgG(SL13622R) at 1: 5000;

Predicted band size:26 kD

Observed band size:26 kD



Sample:

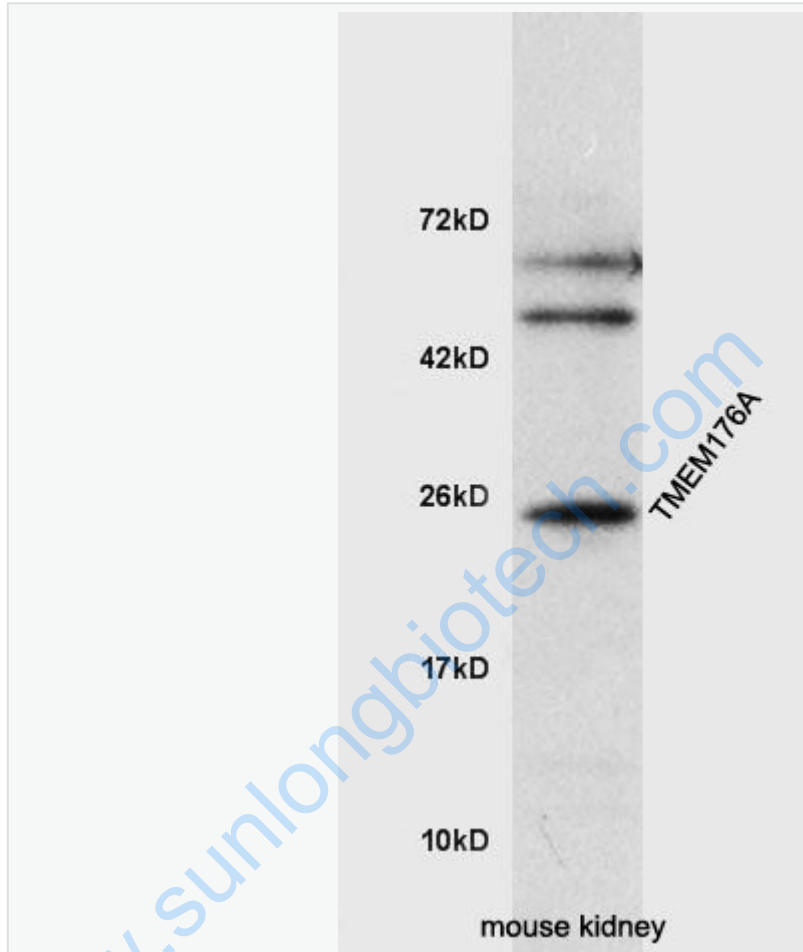
U937(Human) Cell Lysate at 30 ug

Primary: Anti- TMEM176A (SL13622R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 26 kD

Observed band size: 25 kD



Protein: mouse kidney lysates, 30ug;

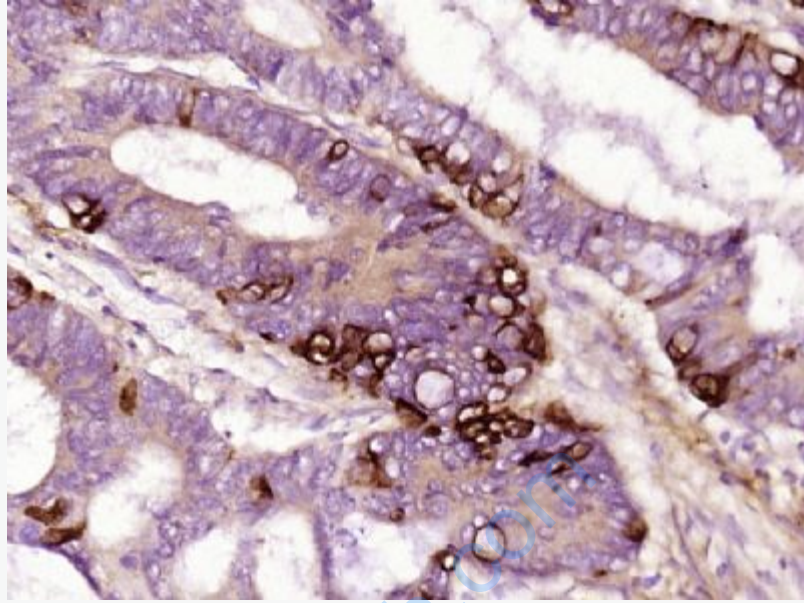
Primary: Anti-TMEM176A (SL13622R) at 1:300;

Secondary: HRP conjugated Goat Anti-Rabbit IgG(SL13622R) at 1:5000;

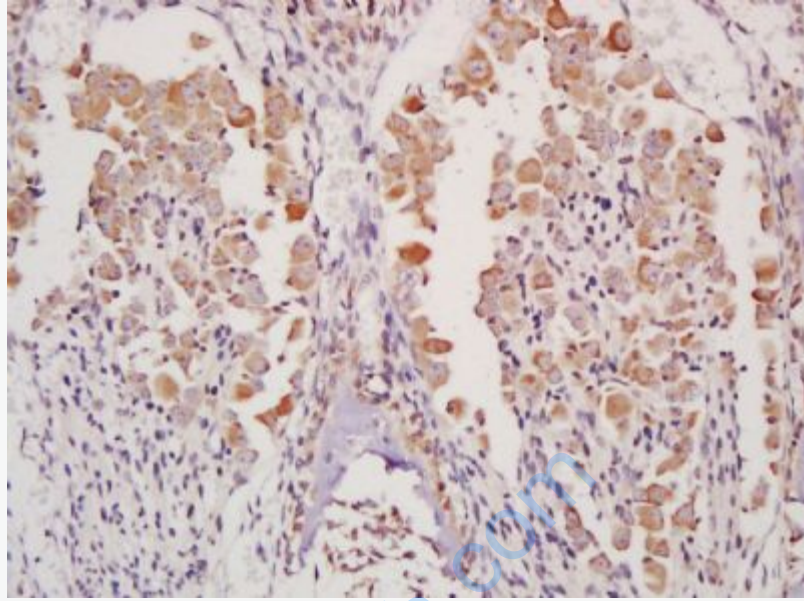
ECL excited the fluorescence;

Predicted band size : 24kD

Observed band size : 24kD



Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TMEM176A) Polyclonal Antibody, Unconjugated (SL13622R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: mouse embryo tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-TMEM176A Polyclonal Antibody, Unconjugated(SL13622R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining