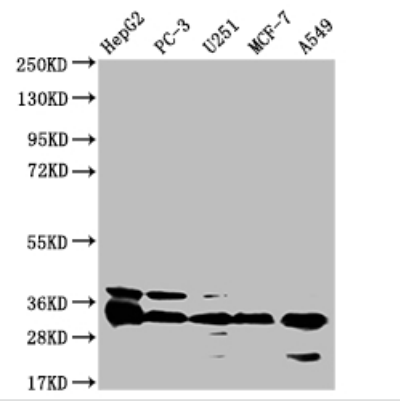
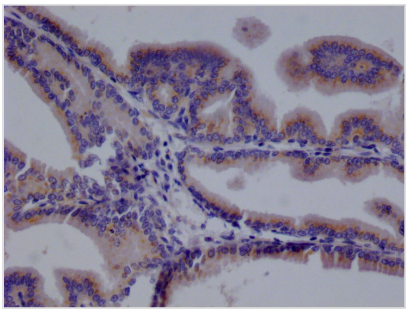
TMEM192 Recombinant Monoclonal Antibody

Product Code	CSB-RA249639A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q8IY95
Immunogen	A synthesized peptide derived from human TMEM192
Species Reactivity	Human
Tested Applications	ELISA, WB, IHC; Recommended dilution: WB:1:500-1:2000, IHC:1:50-1:200
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Tags & Cell Markers
Gene Names	TMEM192
Clone No.	21G8

Image



Western Blot
Positive WB detected in: HepG2 whole cell lysate, PC-3 whole cell lysate, U251 whole cell lysate, MCF-7 whole cell lysate, A549 whole cell lysate
All lanes: TMEM192 antibody at 1:1000
Secondary
Goat polyclonal to rabbit IgG at 1/50000 dilution
Predicted band size: 31 kDa
Observed band size: 31 kDa



IHC image of CSB-RA249639A0HU diluted at 1:100 and staining in paraffin-embedded human prostate tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat

anti-rabbit polymer IgG labeled by HRP and visualized using 0.05% DAB.

Description

CUSABIO meticulously engineered the TMEM192 recombinant monoclonal antibody following a precise protocol. Initially, B cells were extracted from the spleen of an animal immunized with the synthesized peptide derived from human TMEM192. The RNA isolated from these B cells was then reverse-transcribed into cDNA. Using the cDNA as a template, the gene encoding the TMEM192 antibody was amplified with a degenerate primer and inserted into a vector. Through transfection, the recombinant vector was introduced into host cells, enabling efficient expression of the TMEM192 recombinant monoclonal antibodies. These antibodies were subsequently harvested from the cell culture supernatant and underwent purification via affinity chromatography. Rigorous validation, including ELISA, WB, and IHC testings, was conducted to confirm the specific reactivity of the TMEM192 recombinant monoclonal antibody with human TMEM192 protein, ensuring its reliability, precision, and suitability for diverse applications.