

Recombinant Anti-TMEFF2 Rabbit mAb

Catalog # AP95263

Product Information

Application	WB, IHC, FC, IF/IC
Primary Accession	Q9UIK5
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Calculated MW	41428

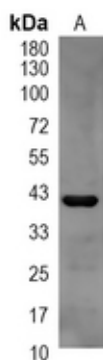
Additional Information

Gene ID	23671
Other Names	HPP1; TENB2; TPEF; Tomoregulin-2; TR-2; Hyperplastic polyposis protein 1; Transmembrane protein with EGF-like and two follistatin-like domains
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human TMEFF2 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~1:10~50 IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

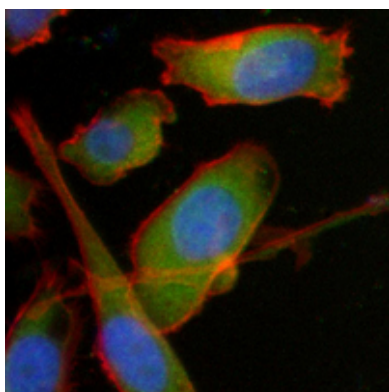
Protein Information

Name	TMEFF2
Synonyms	HPP1, TENB2, TPEF
Function	May be a survival factor for hippocampal and mesencephalic neurons. The shedded form up-regulates cancer cell proliferation, probably by promoting ERK1/2 phosphorylation.
Cellular Location	[Isoform 1]: Membrane; Single-pass type I membrane protein [Isoform 3]: Secreted.
Tissue Location	Highly expressed in adult and fetal brain, spinal cord and prostate. Expressed in all brain regions except the pituitary gland, with highest levels in amygdala and corpus callosum. Expressed in the pericryptal myofibroblasts and other stromal cells of normal colonic mucosa. Expressed in prostate carcinoma. Down-regulated in colorectal cancer. Present in Alzheimer disease plaques (at protein level). Isoform 3 is expressed weakly in testis and at high levels in normal and cancerous prostate.

Images



Western blot analysis of TMEFF2 expression in LnCaP (A) whole cell lysates. (Predicted band size: 41 kD; Observed band size: 41 kD)



Immunofluorescent analysis of TMEFF2 staining in LnCaP cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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