

Anti-TMEFF2 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

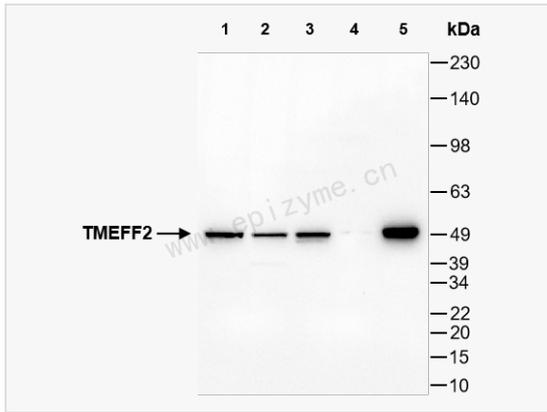
Catalog # R015250

Product Information

Application	WB, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	59P07T96
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human TMEFF2
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-TMEFF2 Rabbit mAb [59P07T96] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	Tomoregulin-2; HPP 1; HPP1; Hyperplastic polyposis protein 1; TEFF 2; TEFF2; TENB 2; TENB2; Tomoregulin; TPEF; TR; Transmembrane protein containing epidermal growth factor and follistatin domains; Transmembrane protein TENB2; Transmembrane protein with EGF like and two follistatin like domains 2; TEFF2_HUMAN..
Calculated MW	Calculated MW: 41 kDa; Observed MW: 49 kDa
Uniprot ID	Q9UIK5
Gene ID	23671
Background	This gene encodes a member of the tomoregulin family of transmembrane proteins. This protein has been shown to function as both an oncogene and a tumor suppressor depending on the cellular context and may regulate prostate cancer cell invasion. Multiple soluble forms of this protein have been identified that arise from both an alternative splice variant and ectodomain shedding. Additionally, this gene has been found to be hypermethylated in multiple cancer types. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2015].
Cellular Location	Isoform 1: Membrane; Single-pass type I membrane protein (Potential). Isoform 2: Membrane; Single-pass type I membrane protein (Potential). 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.



Western Blot - Anti-TMEFF2 Rabbit mAb [59P07T96]

All lanes: R015250 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: U2OS (Human osteosarcoma epithelial cell) whole cell lysates

Lane 5: Caco2 (Human colorectal adenocarcinoma epithelial cell) whole cell lysates

Lysates/proteins at 10 μ g per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 41 kDa

Observed band size: 49 kDa

Developed using the ECL technique (Cat. No. SQ201).