

Immunotag™ TEFF2 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITN1988
Product Description	Immunotag™ TEFF2 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	TEFF2
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	TEFF2 Polyclonal Antibody detects endogenous levels of protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Gene Name	TMEFF2 HPP1 TENB2 TPEF UNQ178/PRO204
Accession No.	Q9UIK5 Q9QYM9

Antibody Specification

Description	transmembrane protein with EGF like and two follistatin like domains 2(TMEFF2) Homo sapiens 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],
Protein Expression	Brain,Colon,Embryo,Prostatic carcin
Subcellular Localization	extracellular region,integral component of membrane,
Protein Function	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.,induction:Down-regulated in tumor cell lines in response to a high level of methylation in the 5' region. The CpG island methylation correlates with TMEFF2 silencing in tumor cell lines.,PTM:A soluble form (TMEFF2-ECD) is produced by proteolytic shedding. This shedding can be induced by phorbol ester or proinflammatory cytokines such as TNFalpha, and is mediated by ADAM17.,PTM:N-glycosylated. Contains chondroitin sulfate glycosaminoglycans.,sequence caution:Contaminating sequence. Mitochondrial contamination starting in position 361.,similarity:Belongs to the tomoregulin family.,similarity:Contains 1 EGF-like domain.,similarity:Contains 2 Kazal-like domains.,tissue specificity: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.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.