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TMEFF2 Rabbit pAb

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Catalog # AP58099

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9UIK5
Reactivity	Rat, Human, Mouse
Predicted	Pig, Dog, Rabbit, Chicken, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41428
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human TMEFF2
Epitope Specificity	301-374/374
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Isoform 1: Membrane; Single-pass type I membrane protein (Potential). Isoform 2: Membrane; Single-pass type I membrane protein (Potential). Isoform 3: Secreted.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	TMEFF2 is a growth factor implicated in the progression of prostate cancer. It is highly expressed in the brain and may act as a survival factor for mesencephalic and hippocampal neurons.

Additional Information

Gene ID	23671
Other Names	Tomoregulin-2, TR-2, Hyperplastic polyposis protein 1, Transmembrane protein with EGF-like and two follistatin-like domains, TMEFF2, HPP1, TENB2, TPEF
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

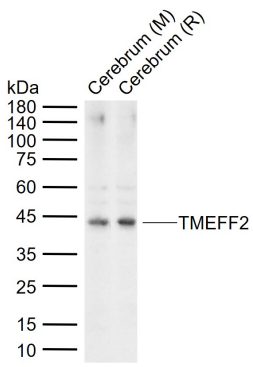
Name	TMEFF2

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.

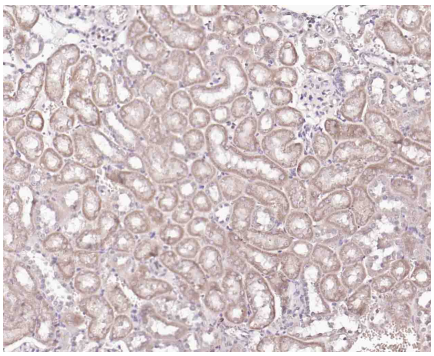
Background

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Images



Sample:
Lane 1: Mouse Cerebrum tissue lysates
Lane 2: Rat Cerebrum tissue lysates
Primary: Anti-TMEFF2 (AP58099) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 37 kDa
Observed band size: 44 kDa



Paraformaldehyde-fixed, paraffin embedded (mouse kidney); 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; Incubation with (TMEFF2) Polyclonal Antibody, Unconjugated (AP58099) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.