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POTE Antibody (C-term L446)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1439a

Product Information

Application	IHC-P, WB, E
Primary Accession	Q86YR6
Other Accession	B2RU33
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB13369
Calculated MW	66394
Antigen Region	438-468

Additional Information

Gene ID	100288966;317754
Other Names	POTE ankyrin domain family member D, ANKRD26-like family B member 3, Ankyrin repeat domain-containing protein 21, Prostate, ovary, testis-expressed protein, Protein POTE, POTED, A26B3, ANKRD21, POTE
Target/Specificity	This POTE antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 438~468 amino acids from the C-term region of human POTE.
Dilution	IHC-P~~1:100~500 WB~~1:500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	POTE Antibody (C-term L446) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	POTED
Synonyms	A26B3, ANKRD21, POTE

Cellular Location	Cell membrane; Peripheral membrane protein
Tissue Location	Expressed in prostate, ovary, testis, placenta and prostate cancer cell lines. Localizes to basal and terminal prostate epithelial cells.

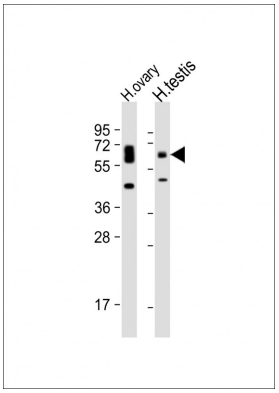
Background

POTE, is a highly homologous gene family located on numerous chromosomes and expressed in prostate, ovary, testis, placenta, and prostate cancer. The POTE protein contains seven ankyrin repeats between amino acids 140 and 380. Expression of POTE in prostate cancer and its undetectable expression in normal essential tissues make POTE a candidate for the immunotherapy of prostate cancer. The existence of a large number of closely related but rapidly diverging members, their location on multiple chromosomes and their limited expression pattern suggest an important role for the POTE gene family in reproductive processes.

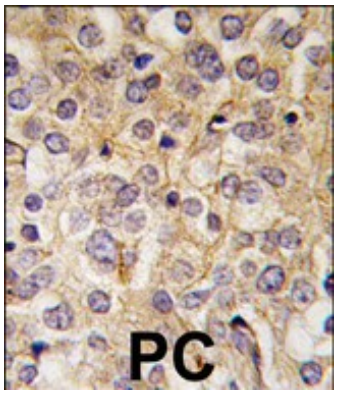
References

Bera T.K., Proc. Natl. Acad. Sci. U.S.A. 99:16975-16980(2002).
Bera,T.K., Gene 337, 45-53 (2004)

Images



All lanes : Anti-POTE Antibody (C-term L446) at 1:500 dilution Lane 1: human ovary lysate Lane 2: human testis lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 66 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded human prostata carcinoma tissue reacted with POTE antibody (C-term L446), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.