

Anti-Kallikrein 4 Antibody

Catalog # AP60185

Product Information

Application	WB, IF/IC
Primary Accession	Q9Y5K2
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27032

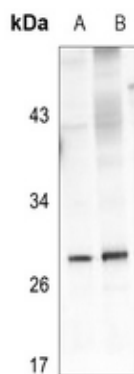
Additional Information

Gene ID	9622
Other Names	EMSP1; PRSS17; PSTS; Kallikrein-4; Enamel matrix serine proteinase 1; Kallikrein-like protein 1; KLK-L1; Prostase; Serine protease 17
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Kallikrein 4. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

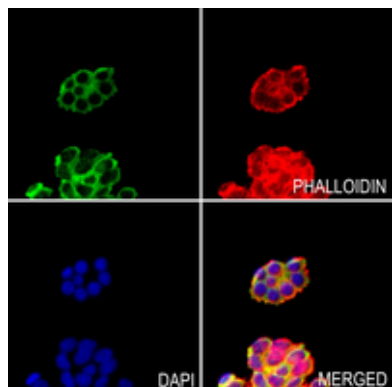
Protein Information

Name	KLK4
Synonyms	EMSP1, PRSS17, PSTS
Function	Has a major role in enamel formation (PubMed: 15235027). Required during the maturation stage of tooth development for clearance of enamel proteins and normal structural patterning of the crystalline matrix (By similarity).
Cellular Location	Secreted.
Tissue Location	Expressed in prostate.

Images



Western blot analysis of Kallikrein 4 expression in HEK293T (A), CT26 (B) whole cell lysates. (Predicted band size: 27 kD; Observed band size: 27 kD)



Immunofluorescent analysis of Kallikrein 4 staining in MDAMB231 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 a 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).

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