

Anti-LATH Antibody

Catalog # AP51314

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q86YQ2
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	19456

Additional Information

Other Names	BASE; Putative latherin; Breast cancer and salivary gland-expressed protein
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human LATH. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 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

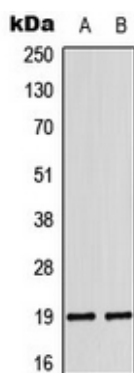
Protein Information

Name	BPIFA4P
Synonyms	BASE, LATH
Function	Major protein in sweat, has surfactant properties.
Cellular Location	Secreted.
Tissue Location	Expressed in breast cancer and salivary gland.

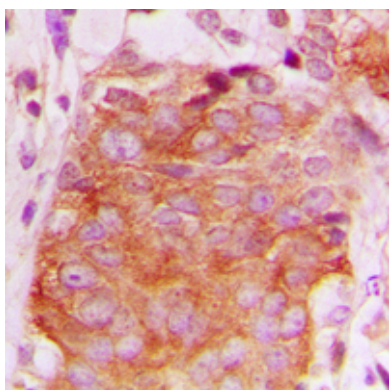
References

Egland K.A.,et al.Proc. Natl. Acad. Sci. U.S.A. 100:1099-1104(2003).
Deloukas P.,et al.Nature 414:865-871(2001).

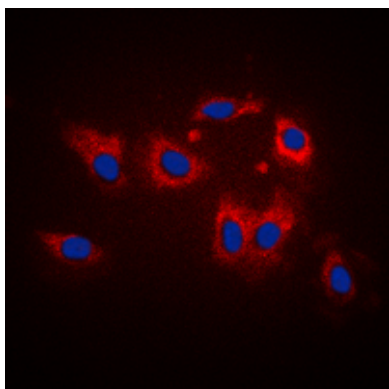
Images



Western blot analysis of LATH expression in DU145 (A), K562 (B) whole cell lysates. (Predicted band size: 19 kD; Observed band size: 19 kD)



Immunohistochemical analysis of LATH staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of LATH staining in K562 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 DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. 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'.