

Anti-Cytokeratin 84 Antibody

Catalog # AP51907

Product Information

Application	WB, IF/IC
Primary Accession	Q9NSB2
Reactivity	Human, Mouse, Rat, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	64842

Additional Information

Gene ID	3890
Other Names	KRTHB4; Keratin, type II cuticular Hb4; Keratin-84; K84; Type II hair keratin Hb4; Type-II keratin Kb24
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Cytokeratin 84. 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

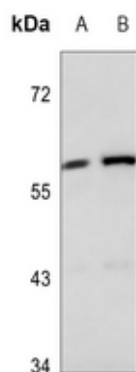
Protein Information

Name	KRT84 (HGNC:6461)
Synonyms	KRTHB4
Function	Structural component of intermediate filaments in keratinizing epithelia (PubMed: 11445569). As a type II hair keratin, forms obligate heterodimers with type I keratins to assemble keratin intermediate filaments (By similarity). Expressed predominantly in the posterior compartment of the filiform papillae of the tongue, where it contributes to the structural integrity and mechanical resilience of specialized keratinized epithelial cells (Probable).
Tissue Location	Expressed in non-hair stratified epithelia, including the posterior compartment of the tongue filiform papillae (PubMed:11445569). Expressed in the hair follicles

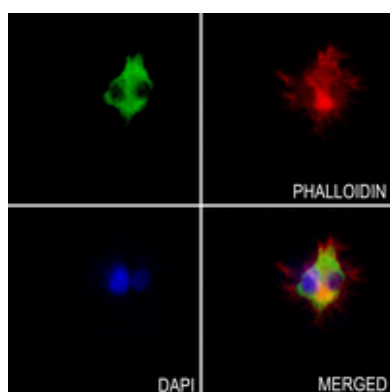
References

Rogers M.A.,et al.J. Invest. Dermatol. 114:464-472(2000).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Scherer S.E.,et al.Nature 440:346-351(2006).
Rogers M.A.,et al.J. Invest. Dermatol. 124:536-544(2005).

Images



Western blot analysis of Cytokeratin 84 expression in MCF7 (A), H1688 (B) whole cell lysates. (Predicted band size: 64 kD; Observed band size: 60 kD)



Immunofluorescent analysis of Cytokeratin 84 staining in RAW264.7 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).

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