

Rabbit anti-Human Trichohyalin Polyclonal Antibody | anti-TCHH antibody

Trichohyalin Antibody

CATALOG # AAA328986	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA
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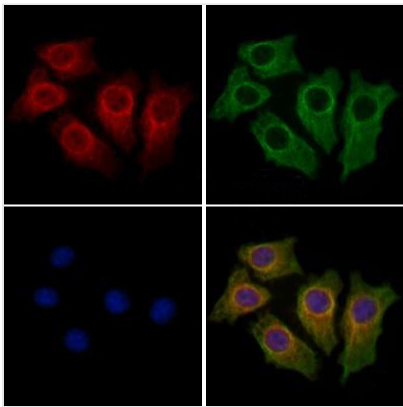
PRODUCT SYNONYMS

Trichohyalin; Polyclonal Antibody; Trichohyalin Antibody; 220K trichohyalin granular protein; Hair follicle protein AHF; MGC157889; MGC157890; RP11-107M16.3; TCHH; THH; THL; TRHY_HUMAN; Trichohyalin granular protein; anti-TCHH antibody

PRODUCT SPECIFICATIONS

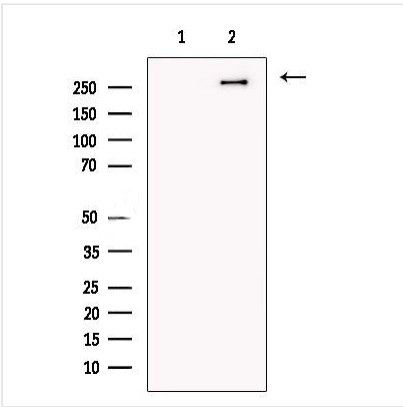
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Trichohyalin Antibody detects endogenous levels of total Trichohyalin.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	1943
Applicable Applications for anti-TCHH antibody	ELISA
Immunogen	A synthesized peptide derived from human Trichohyalin, corresponding to a region within C-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA328986 staining HepG2 cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25Å°C. Samples were then incubated with primary Ab(AAA328986) and mouse anti-beta tubulin Ab(T0023) for 1 hour at 37Å°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



WB (Western Blot)

Western blot analysis of extracts from Human kidney, using Trichohyalin Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-TCHH antibody	Function: Intermediate filament-associated protein that associates in regular arrays with keratin intermediate filaments (KIF) of the inner root sheath cells of the hair follicle and the granular layer of the epidermis. It later becomes cross-linked to KIF by isodipeptide bonds. It may serve as scaffold protein, together with involucrin, in the organization of the cell envelope or even anchor the cell envelope to the KIF network. It may be involved in its own calcium-dependent postsynthetic processing during terminal differentiation.
	Post Translational Modifications: Substrate of transglutaminase. Some 200 arginines are probably converted to citrullines by peptidylarginine deimidase.
	Tissue Specificity: Found in the hard keratinizing tissues such as the inner root sheath (IRS) of hair follicles and medulla, and in the filiform papillae of dorsal tongue epithelium.
	Subunit Structure: Monomer.
	Similarity: Consists of nine domains. Domain 1 contains two EF-hand calcium-binding domains. Domains 2-4, 6, and 8 are almost entirely alpha-helical, configured as a series of peptide repeats of varying regularity, and are thought to form a single-stranded alpha-helical rod stabilized by ionic interactions. Domain 6 is the most regular and may bind KIF directly by ionic interactions. Domains 5 and 7 are less well organized and may induce folds in the molecule. Domain 9 contains the C-terminus, conserved among different species. Belongs to the S100-fused protein family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	148746195
NCBI GeneID	7062
NCBI Accession #	NP_009044.2
NCBI GenBank Nucleotide #	NP_009044.2
UniProt Accession #	Q07283
Molecular Weight	Observed Molecular Weight: (Observed)253kD. Predicted Molecular Weight: (Calculated)254kDa.
NCBI Official Full Name	trichohyalin
NCBI Official Synonym Full Names	trichohyalin

NCBI Official Symbol	TCHH
NCBI Official Synonym Symbols	THH; THL; TRHY; UHS3
NCBI Protein Information	trichohyalin
UniProt Protein Name	Trichohyalin
UniProt Gene Name	TCHH
UniProt Synonym Gene Names	THH; THL; TRHY

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/trichohyalin-antibody-elisa/328986>