

Trichohyalin (M-215): sc-98968

BACKGROUND

Trichohyalin is a nine domain-containing structural protein that is produced in the medulla and inner root sheath of hair follicles. Among the structural motifs are two ERF-hand calcium-binding domains located in domain 1. It is a member of the S100-fused protein family and a substrate of transglutaminase and peptidylarginine deaminase. Trichohyalin associates with keratin intermediate filaments (KIF) and peripheral cell envelope barrier proteins to coordinate cornified cell envelope organization.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: TCHH (human) mapping to 1q21.3; Tchh (mouse) mapping to 3 F2.1.

SOURCE

Trichohyalin (M-215) is a rabbit polyclonal antibody raised against amino acids 36-209 mapping at the N-terminus of Trichohyalin of mouse origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

APPLICATIONS

Trichohyalin (M-215) is recommended for detection of Trichohyalin of mouse, rat and, to a lesser extent, human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for Trichohyalin siRNA (h): sc-106636, Trichohyalin siRNA (m): sc-61711, Trichohyalin shRNA Plasmid (h): sc-106636-SH, Trichohyalin shRNA Plasmid (m): sc-61711-SH, Trichohyalin shRNA (h) Lentiviral Particles: sc-106636-V and Trichohyalin shRNA (m) Lentiviral Particles: sc-61711-V.

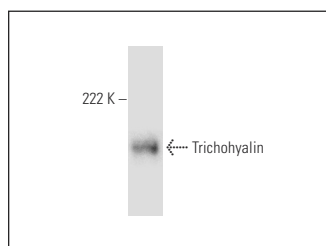
Molecular Weight of Trichohyalin: 200-220 kDa.

Positive Controls: mouse colon extract: sc-364238.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



Trichohyalin (M-215): sc-98968. Western blot analysis of Trichohyalin expression in mouse colon tissue extract.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

MONOS
Satisfaction
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Try **Trichohyalin (E-11): sc-376684** or **Trichohyalin (F-2): sc-515130**, our highly recommended monoclonal alternatives to Trichohyalin (M-215).