Trichohyalin (AE15): sc-80607

**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**


**CHROMOSOMAL LOCATION**

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

**SOURCE**

Trichohyalin (AE15) is a mouse monoclonal antibody raised against hair proteins of human origin.

**PRODUCT**

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

Trichohyalin (AE15) is available conjugated to agarose (sc-80607 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-80607 HRP), 200 µg/ml, for WB, IHC(P) and ELISA; to either phycoerythrin (sc-80607 PE), fluorescein (sc-80607 FITC), Alexa Fluor® 488 (sc-80607 AF488), Alexa Fluor® 546 (sc-80607 AF546), Alexa Fluor® 594 (sc-80607 AF594) or Alexa Fluor® 647 (sc-80607 AF647), 200 µg/ml, for WB (RGB), IF, IHC(P) and FCM; and to either Alexa Fluor® 800 (sc-80607 AF800) or Alexa Fluor® 790 (sc-80607 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FCM.

**APPLICATIONS**

Trichohyalin (AE15) is recommended for detection of Trichohyalin of mouse, rat and human origin by immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and flow cytometry (1 µg per 1 x 10^6 cells).

Suitable for use as control antibody for Trichohyalin siRNA (h): sc-106636, Trichohyalin siRNA (m): sc-61711, 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: CCD-1064Sk cell lysate: sc-2263.

**RECOMMENDED SUPPORT REAGENTS**

To ensure optimal results, the following support reagents are recommended:


**SELECT PRODUCT CITATIONS**


**STORAGE**

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

**PROTOCOLS**

See our web site at www.scbt.com for detailed protocols and support products.

Alexa Fluor® is a trademark of Molecular Probes, Inc., Oregon, USA.