Cytokeratin 10 (h): 293T Lysate: sc-113858



The Boures to Overtion

BACKGROUND

Cytokeratins comprise a diverse group of intermediate filament proteins (IFPs) that are expressed as pairs in both keratinized and non-keratinized epithelial tissue. Cytokeratins play a critical role in differentiation and tissue specialization, and function to maintain the overall structural integrity of epithelial cells. Cytokeratins have been found to be useful markers of tissue differentiation, which is directly applicable to the characterization of malignant tumors. Cytokeratins 10 and 13 are present in the cytoskeletal region of a subset of squamous cell carcinomas. Cytokeratin 10 is a heterotetramer of two type I and two type II keratins, is generally associated with Keratin 1, and is seen in all suprabasal cell layers, including stratum corneum.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: KRT10 (human) mapping to 17q21.2.

PRODUCT

Cytokeratin 10 (h): 293T Lysate represents a lysate of human Cytokeratin 10 transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

RESEARCH USE

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

APPLICATIONS

Cytokeratin 10 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive Cytokeratin 10 antibodies. Recommended use: $10\text{-}20~\mu l$ per lane.

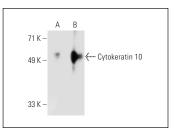
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-tranfected 293T cells.

pan-Cytokeratin (D-12): sc-17843 is recommended as a positive control antibody for Western Blot analysis of enhanced human Cytokeratin 10 expression in Cytokeratin 10 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-lgG κ BP-HRP: sc-516102 or m-lgG κ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz MarkerTM Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

DATA



pan-Cytokeratin (D-12): sc-17843. Western blot analysis of Cytokeratin 10 expression in non-transfected: sc-117752 (A) and human Cytokeratin 10 transfected: sc-113859 (B) 293T whole cell lysates.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

PROTOCOLS

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

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