

STOML3 (h): 293T Lysate: sc-114056

BACKGROUND

STOML3 [Stomatin (EPB72)-like 3], whose alternative names include Stomatin-like protein 3, Stomatin-related olfactory protein, SRO, SLP3, Epb7.2I, erythrocyte band 7 integral membrane protein or protein 7.2B, is a 291 amino acid single-pass type III membrane protein belonging to the band 7/mec-2 family. STOML3 is expressed in olfactory sensory neurons, with high expression in apical dendrites. STOML3 is also known to associate with A cyclase III and caveolin-1 in olfactory cilia. STOML3 is essential for regulating odorant signals in olfactory cilia lipid rafts and plays a role in mammalian mechanotransduction. Studies indicate that many ion channels of sensory neurons which depend on mechanical stimuli cannot function in the absence of STOML3. STOML3 contains two N-terminal hydrophobic domains and forms regions rich in β sheets and α helices, which are common to members of the Stomatin family. The gene encoding STOML3 maps to human chromosome 13q13.3.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: STOML3 (human) mapping to 13q13.3.

PRODUCT

STOML3 (h): 293T Lysate represents a lysate of human STOML3 transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

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.

APPLICATIONS

STOML3 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive STOML3 antibodies. Recommended use: 10-20 μ l per lane.

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

RESEARCH USE

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

PROTOCOLS

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