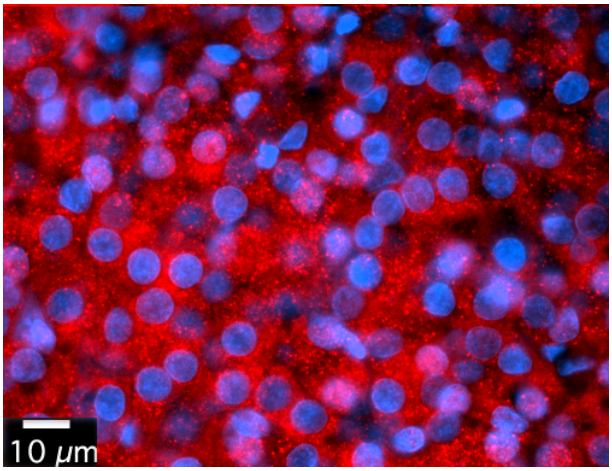
DATA SHEET

Jena Bioscience

anti-hMSRB3

anti human Methionine Sulfoxide Reductase B3
rabbit, polyclonal

Cat. No.	Amount
ABD-050	100 µl



For research use only.

Please centrifuge briefly before opening (volume ≤2 ml).

Shipping: shipped on gel packs

Storage Conditions: store at -20 °C

Additional Storage Conditions: avoid freeze/thaw cycles

Shelf Life: 12 months

Form: liquid (Supplied as serum, preserved in glycerol)

Applications:
Anti-human MsrA can be used for Western blot, ELISA and Immuno-cytochemistry.

Description:
Anti-human-MSRB3 (h-Methionine sulfoxide reductase B3) is a rabbit polyclonal antibody that was produced against the recombinant human MsrB3. Human methionine sulfoxide reductase B3 (hMsrB3) is an endoplasmic reticulum (ER) reductase that catalyzes the stereospecific reduction of methionine-R-sulfoxide to methionine in proteins. MSRB3-catalyzed reduction of methionine sulfoxides to methionine is essential for hearing.

Specificity:
Antibody specificity was evaluated by indirect immunofluorescence and western blotting. Western blot of 50 µg protein of the human oral mucosa, parathyroid and thyroid gland revealed in each case the protein band of the 23 kDa MsrB3. Anti-MSRB3 is without crossreactivity to other human proteins or MSRs (MSRA, MSRB1 and MSRB2).
The antibody visualized the MSRB3- immunoreactivity into the cytoplasma of parathyroid cells (unpublished result, Fig. Merged the MSRB3-immunoreactivity (Cy-3, red) with DAPI staining of the nuclei (blue).

Selected References:
Ahmed *et al.* (2011) Functional null mutations of MSRB3 encoding methionine sulfoxide reductase are associated with human deafness DFNB74. *Am. J. Hum. Genet.* **88 (1)**:19.