Peroxisomal multifunctional enzyme 2 (MFE2) monoclonal antibody

Cat. no. A21975

Components:	100 µg monoclonal antibody
Lot no.:	See product label
Clone/PAD:	8E5AB11
Isotype:	Mouse IgG3, κ
Gene ID:	3295
Gene Symbol:	HSD17B4
Alternative Names:	Peroxisomal multifunctional enzyme type 2; MFE-2; 17-beta-hydroxysteroid dehydrogenase 4; 17-beta-HSD 4; D-bifunctional protein; DBP; 3-hydroxyacyl-CoA dehydrogenase; 3-alpha,7-alpha, 12-alpha-trihydroxy-5-beta-cholest-24-enoyl-CoA hydratase; DBP; MFE-2; SDR8C1; HSD17B4
Concentration:	1 mg/mL in Hepes-Buffered Saline (HBS) with 0.02% sodium azide as a preservative
mAb PURITY:	Near homogeneity as judged by SDS-PAGE. The antibody was produced *in vitro* using hybridomas grown in serum-free medium, and then purified by biochemical fractionation.
Reactivity:	Human
Validated Applications:	Immunocytochemistry, Immunoprecipitation, In-Cell ELISA
Suggested Working Concentration:	5 µg/mL for Immunocytochemistry (This is a starting working concentration. The optimal antibody concentration should be determined empirically for each specific application.)
Storage:	Store at 2–8°C. Do not freeze.
Expiration Date:	See product label.

Target Background:

This gene encodes a bifunctional enzyme involved in the peroxisomal beta-oxidation pathway for fatty acids. The gene product also catalyzes the formation of 3-ketoacyl-CoA intermediates from straight-chain and 2-methyl-branched-chain fatty acids. An apparent pseudogene of this gene is present on chromosome 8.

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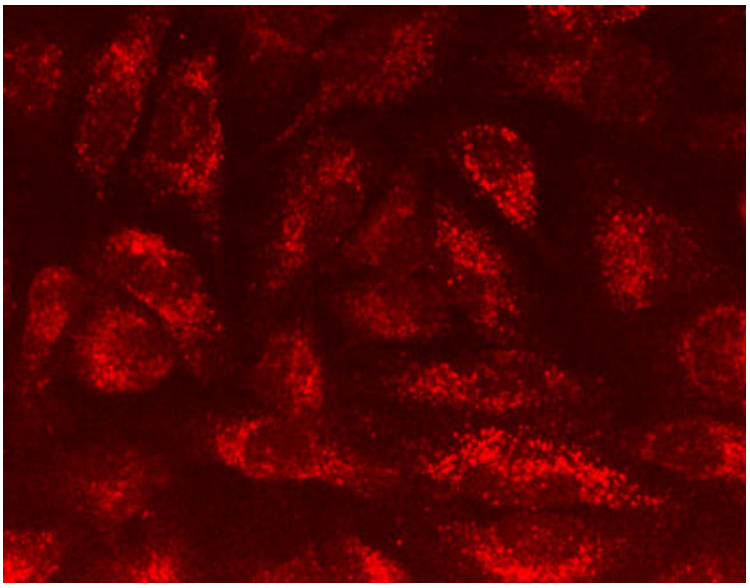

Immunocytochemistry image of Peroxisomal multifunctional enzyme 2 (MFE2) monoclonal antibody. Human HDFn cells were fixed in 4% paraformaldehyde for 20 minutes and then permeabilized with 0.1% Triton® X-100 for 15 minutes. The cells were incubated with 5 µg/mL of the antibody overnight at 4°C. Alexa Fluor® 594 goat anti-mouse IgG (H+L) was used as a secondary antibody at a 1/1,000 dilution for 1 hour (red). 10% Goat serum was used as the blocking agent for all blocking steps. The target protein localizes mainly in the peroxisome.