Epoxide hydrolase 1 (EPHX1) monoclonal antibody

Cat. no. A21978

Components:	100 µg monoclonal antibody
Lot no.:	See product label
Clone/PAD:	15B2AD9
Isotype:	Mouse IgG1
Gene ID:	2052
Gene Symbol:	EPHX1
Alternative Names:	Epoxide hydrolase 1, Epoxide hydratase, MEH, EPHX, EPOX, EPHX1, Microsomal epoxide hydrolase
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:	4 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:

Epoxide hydrolase is a critical biotransformation enzyme that converts epoxides from the degradation of aromatic compounds to trans-dihydrodiols, which can be conjugated and excreted from the body. Alternatively spliced transcript variants encoding the same protein have been found for this gene.

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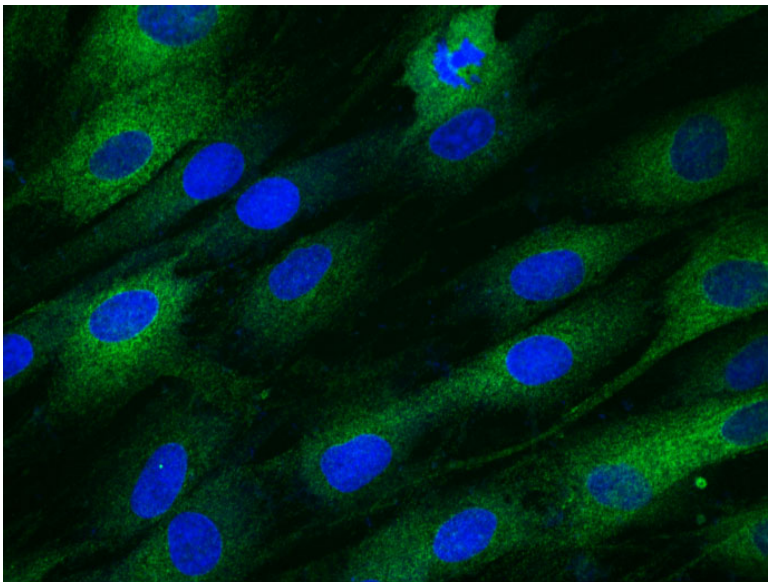

Immunocytochemistry image of Epoxide hydrolase 1 (EPHX1) monoclonal antibody. Human HDFn cells were fixed in 4% paraformaldehyde for 20 minutes and then permeabilized with 0.1% Triton® X-100 for 15 minutes. The cells were incubated with 10 µg/mL of the antibody overnight at 4°C. Alexa Fluor® 488 goat anti-mouse IgG (H+L) was used as a secondary antibody at a 1/1,000 dilution for 1 hour (green). 10% Goat serum was used as the blocking agent for all blocking steps. The cell nuclei were counterstained with DAPI (blue).The location of the target is mainly in microsomal/ER.