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Datasheet for ABIN2745532 anti-GPX8 antibody (AA 38-209)

Overview

Quantity:	100 µg
Target:	GPX8
Binding Specificity:	AA 38-209
Reactivity:	Hepatitis C Virus (HCV)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GPX8 antibody is un-conjugated
Application:	Western Blotting (WB), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant GPx8 (human) (aa 38-209) fused to a GST-tag.
Specificity:	Recognizes human GPx8.
Cross-Reactivity:	Hepatitis C Virus (HCV)

Target Details

Target:	GPX8
Alternative Name:	GPx8 (GPX8 Products)
Target Type:	Viral Protein
Background:	GPxs are glutathione peroxidases involved in balancing the H2O2 homeostasis in signaling cascades. GPxs have been known to catalyze the reduction of H2O2 or organic hydroperoxides

Target Details

to water or the corresponding alcohols, respectively, typically using glutathione (GSH) as reductant. GPx8 (probable glutathione peroxidase 8) is a 209-aa, 24 kDa protein with an N-terminal cytosolic tip, a predicted transmembrane segment and a catalytic domain located in the endoplasmic reticulum (ER) lumen. GPx8 is a CysGPxs with low glutathione peroxidase activity. A recent study identified GPx8 as a cellular substrate of the hepatitis C virus NS3-4A protease. GPx8 cleavage by NS3-4A occurs at Cys11, removing the cytosolic tip of GPx8 and was observed in different experimental systems as well as in liver biopsies from patients with chronic hepatitis C.

UniProt: [Q8TED1](#)

Pathways: [Thyroid Hormone Synthesis](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: In PBS containing 10 % glycerol and 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Short Term Storage: +4°C
Long Term Storage: -20°C
Stable for at least 1 year after receipt when stored at -20°C.

Expiry Date: 12 months