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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 H ₂ O ₂ homeostasis in signaling cascades. GPxs have been known to catalyze the reduction of H ₂ O ₂ 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 CysGPx 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