

DATA SHEET

ADI-OSA-200

HO-2, pAb

Product Specifications

Alternative Name: HMOX2, Hsp32, heat shock protein 32, heme oxygenase 2

PURITY DETAIL: Protein A affinity purified.

FORMULATION: Liquid. In PBS, pH 7.2, containing 50% glycerol and 0.09% sodium

azide.

IMMUNOGEN: Native rat HO-2 protein, isolated from rat testes.

SOURCE/HOST: From rabbit.

SPECIFICITY: Recognizes human, mouse, rat, bovine, crawfish, dog, guinea pig,

hamster, monkey, pig, rabbit and sheep HO-2. Detects a band of

~36kDa by Western blot.

APPLICATION: Immunocytochemistry

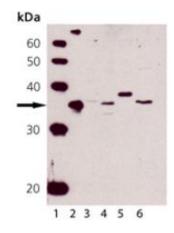
Immunohistochemistry Immunoprecipitation Western Blot (1:500, ECL)

Optimal conditions must be determined individually for each

application.

LONG TERM STORAGE:

-20°C

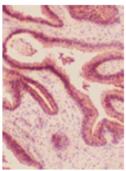


Western blot analysis of HO-2: Lane 1: MWM, Lane 2: HO-2 (human), (recombinant) (Prod. No.ADI-SPP-550), Lane 3: HeLa (Heat Shocked) Cell Lysate, Lane 4: L929 Cell Lysate, Lane 5: RK-13 Cell Lysate, Lane 6: CHO-K1 Cell Lysate



Immunohistochemistry analysis of frozen mouse spinal cord section (stressed) stained using HO-2 pAb.

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Immunohistochemistry analysis of frozen human prostate section stained using HO-2 pAb.

Product Literature References

Nerve growth factor induces anti-apoptotic heme oxygenase-1 in rat pheochromocytoma PC12 cells K.D. Bloch, et al. J. Neurochem. 86 1553 (2003)

Resistance to hyperoxia with heme oxygenase-1 disruption: role of iron G. Yang, et al. Free Radic. Biol. Med. 34 124 (2003)

Differential effect of heme oxygenase-1 in endothelial and smooth muscle cell cycle progression N.G. Abraham, et al. Biochem. Biophys. Res. Commun. 296 1077 (2002)

Regulation of cyclooxygenase by the heme-heme oxygenase system in microvessel endothelial cells N.G. Abraham, et al. J. Pharmacol. Exp. Ther. 300 188 (2002)

Altered expression of heme oxygenase-1 in the livers of patients with portal hypertensive diseases Y. Ishimura, et al. Hepatology 33 32 (2001)

Amyloid precursor proteins inhibit heme oxygenase activity and augment neurotoxicity in Alzheimer's disease S.H. Snyder, et al. Neuron 28 461 (2000)

Carbon monoxide and nitric oxide as coneurotransmitters in the enteric nervous system: evidence from genomic deletion of biosynthetic enzymes J.H. Szurszewski, et al. PNAS 97 1851 (2000)

Heme oxygenase 2 is present in interstitial cell networks of the mouse small intestine J.H. Szurszewski, et al. Gastroenterology 114 239 (1998)

