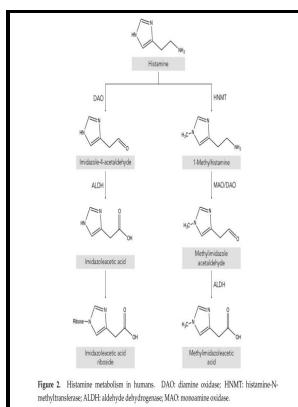


# Biochemical studies on histaminase.

## -- The human sunburn reaction: histologic and biochemical studies



Description: -

-Biochemical studies on histaminase.

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## 2 Histamine Receptors in the Mammalian Central Nervous System: Biochemical Studies

J Physiol Biochem 70, 837—847 2014. PMID: 31837371 Free PMC article. Bolli R 1988 Oxygen-derived free radicals and postischemic myocardial dysfunction stunned myocardium

### Determination of the age of wounds by histochemical and biochemical methods

Pheochromocytomas from six patients had low histaminase activity and could thus be differentiated from medullary thyroid carcinoma.

### Histochemical and biochemical studies on the secretory mechanisms of some glands of guinea

DAO is normally present in very small amounts in the circulation and its basal plasma levels are positively correlated with the maturity and integrity of the intestinal mucosa. Viral V, Devaki T 2004 Linear furanocoumarin protects rat myocardium against lipid peroxidation and membrane damage during experimental myocardial injury.

### Protective effects of a plant histaminase in myocardial ischaemia and reperfusion injury in vivo

Histamine levels rose approximately fourfold above control values immediately after the onset of erythema and returned to baseline within 24 hours. No other tumor examined had high histaminase activity. A pheochromocytoma from 1 patient, who died of disseminated medullary carcinoma, had high histaminase activity and microscopic foci of medullary carcinoma.

### Histochemical and biochemical studies on the secretory mechanisms of some glands of guinea

Its function is the oxidative deaminating of several polyamines, essential substances for cell proliferation. This patient had high serum histaminase activity before administration of aminoguanidine.

### Pyridoxal phosphate as coenzyme of diamine oxidase

Histamine has been implicated in a variety of vegetative functions and behaviors ranging from cardiovascular and temperature control to roles in arousal and the regulation of neuroendocrine mechanisms. There was also a close correlation in the values obtained by the two assays in all tissues. The data showed that  $\beta$ -<sup>3</sup>H-histamine and <sup>14</sup>C-putrescine were deaminated by the same enzyme in a variety of rat tissues and that the assays were interchangeable.

## NEUROCHEMICAL AND NEUROPHARMACOLOGICAL ASPECTS OF HISTAMINE RECEPTORS

Measurement of postheparin DAO release enhances its sensitivity and is now extensively studied to assess its value as follow-up or screening test for several enteropathies. Full text Full text is available as a scanned copy of the original print version.

### Studies on histaminase

Matheis G, Sherman MP, Buckberg GD, Haybron DM, Young HH, Ignarro LJ 1992 Role of L-arginine-nitric oxide pathway in myocardial reoxygenation injury. Computer-assisted morphometry of the ischaemic reperfused hearts stained with nitroblue tetrazolium showed the extension of damaged myocardium area at risk and infarct size significantly reduced in rats treated with histaminase, in comparison with the non-treated rats, whereas no protection was found with the semicarbazide inactivated histaminase. Alirezaei M, Jelodar G, Niknam P, Ghayemi Z, Nazifi S 2011 Betaine prevents ethanol-induced oxidative stress and reduces total homocysteine in the rat cerebellum.

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