

Reactive oxygen species (ROS) as pleiotropic physiological signalling agents

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Supplementary Table 1 Enzyme-generated reactive oxygen species other than H₂O₂ and O₂^{•-}.

Name	Protein	Location	Product
Arachidonate 15-lipoxygenase	LOX15	C, PM	15-HPETE
Arachidonate 15-lipoxygenase-B	LX15B	N, C, PM, S	15-HPETE
Arachidonate 12-lipoxygenase, 12S-type	LOX12	C, PM	12S-HPETE
Arachidonate 12-lipoxygenase, 12R-type	LX12B	C	12R-HPETE
Arachidonate 5-lipoxygenase	LOX5	N, C	5-HPETE
Lactoperoxidase	PERL	S	HOSCN
Eosinophil peroxidase	PERE	S	HOBr, HOSCN
Myeloperoxidase	PERM	S	HOCl, HOSCN
Peroxidasin homolog	PXDN	S	HOBr
Peroxidasin-like protein	PXDNL	S, C	Phenolic radicals
Prostaglandin G/H synthase 1	PGH1	ER	Arachidonyl endoperoxide Singlet O ₂
Prostaglandin G/H synthase 2	PGH2	ER	Arachidonyl endoperoxide
Nitric oxide synthase, brain	NOS1	PM	·NO
Nitric oxide synthase, inducible	NOS2	C	·NO
Nitric oxide synthase, endothelial	NOS3	PM, C, G, caveolae	·NO

HOBr, hypobromous acid; HOCl, hypochlorous acid; HOSCN, hypothiocyanous acid;

HPETE, hydroperoxyeicosatetraenoic acid; ·NO, nitric oxide

Abbreviations for subcellular location: C, cytoplasm; ER, endoplasmic reticulum; G, Golgi; N, nucleus; PM, plasma membrane; S, secreted.