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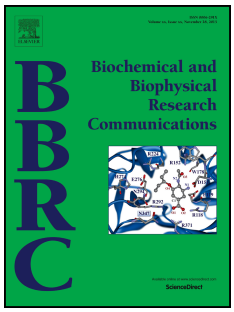

Increased ophthalmic acid production is supported by amino acid catabolism under fasting conditions in mice

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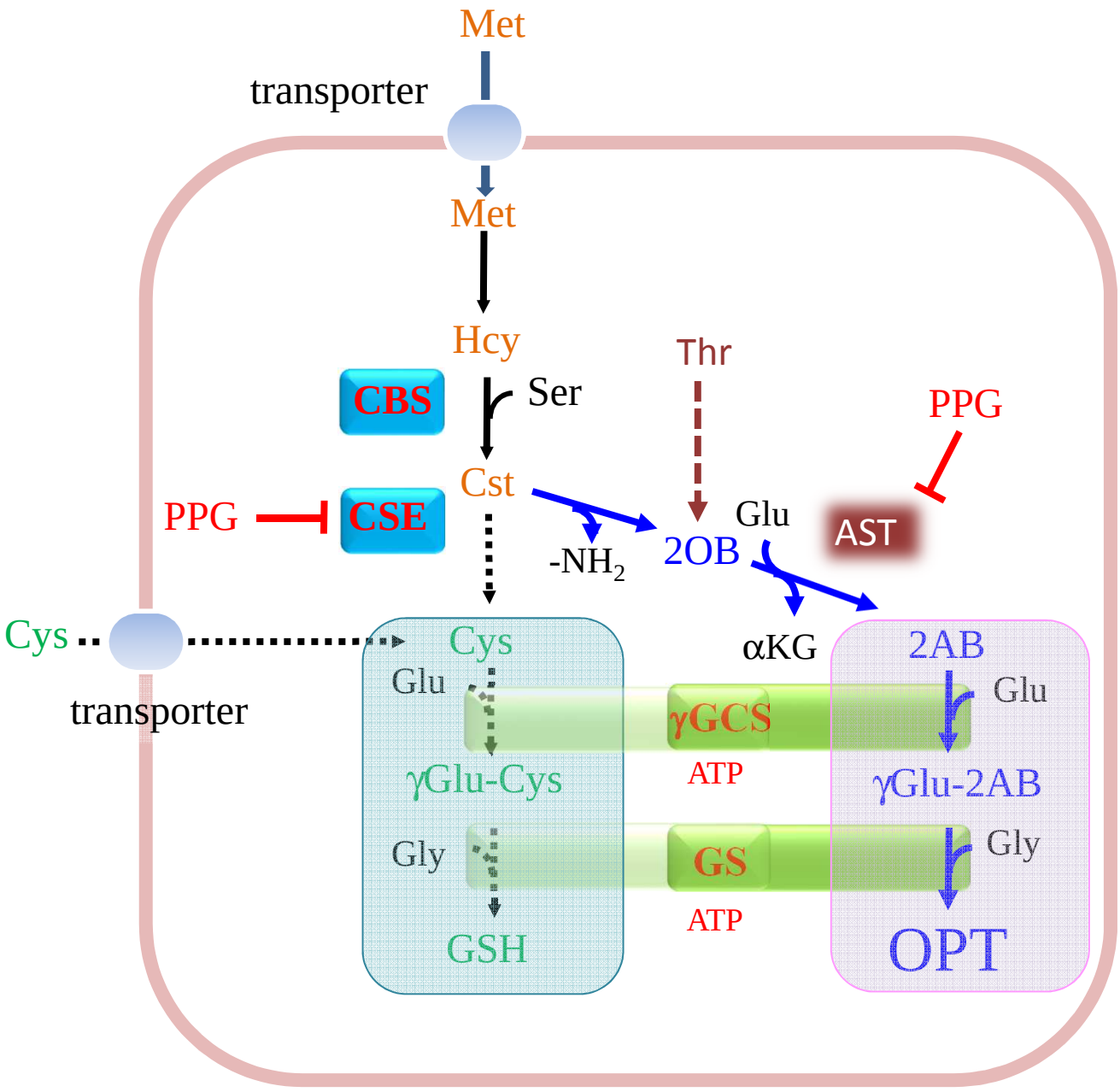

Hcy; Homocysteine
Cst; Cystathionine
2OB; 2-Oxo-butyric acid
2AB; 2-Amino-butyric acid
GSH; Glutathione
OPT; Ophthalmic acid
Thr; threonine

Cys; Cysteine
CBS; cystathionine β–synthase
CSE; γ-cystathionase
γGCS; γ-glutamylcysteine synthetase
GS; glutathione synthetase
AST; aspartate transaminase
αKG; α–keto glutaric acid

Pathways involved in GSH or OPT synthesis under fasting conditions