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

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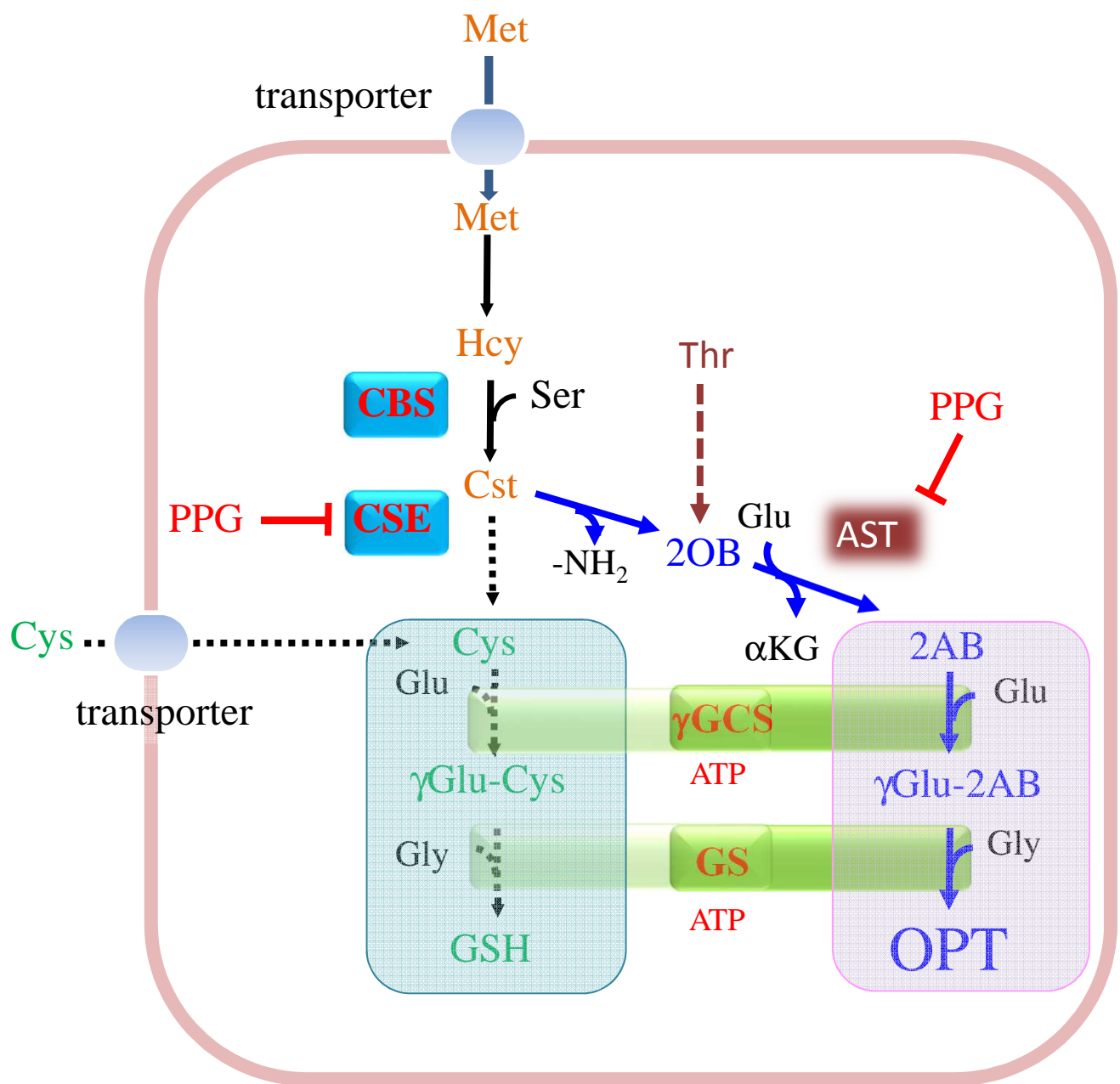
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Hcy; Homocysteine
 Cst; Cystathionine
 2OB; 2-Oxo-butyric acid
 2AB; 2-Amino-butyric acid
 GSH; Glutathione
 OPT; Ophthalmic acid
 Thr; threonine

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

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