On ATPases

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1. Significances of various ATPases in physiological functions of cells were discussed.

2. The properties of Na, K-activated ATPase from microsomal fraction of guinea pig intestinal mucosa^{1),2)} were discussed in connection with the active cation transport in the slices of the intestinal mucosa.

3. Feed-back control of energy yielding reaction in brain³⁾, intestinal mucosa¹⁾ and erythrocytes⁴⁾ by active cation transport was demonstrated and the mechanism of the control was discussed.

References

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