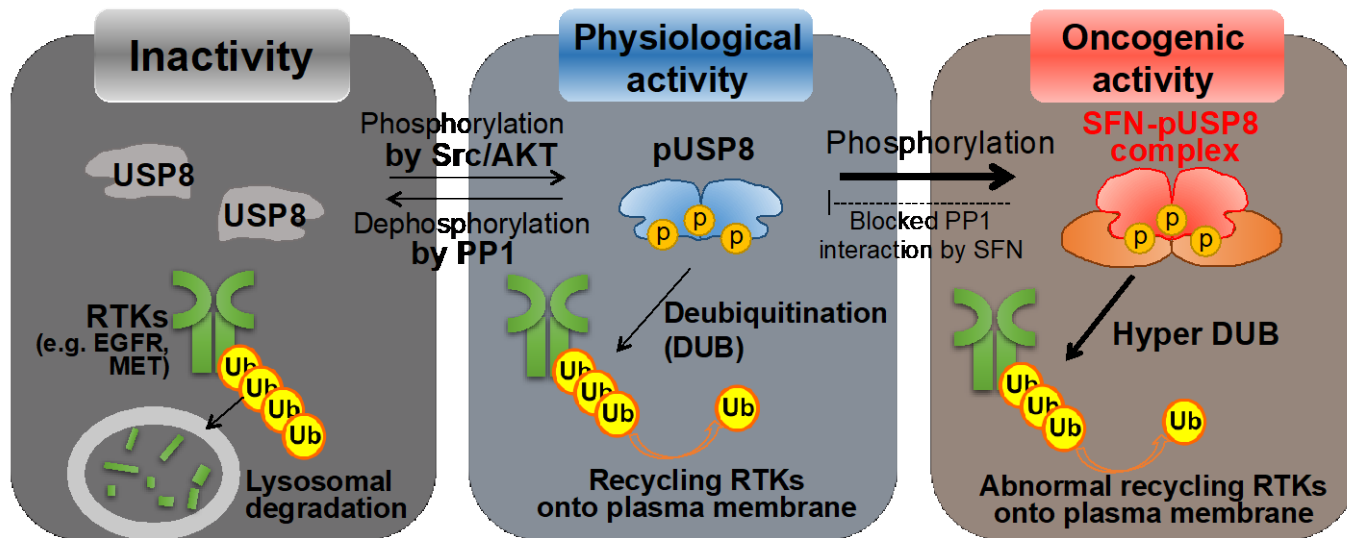
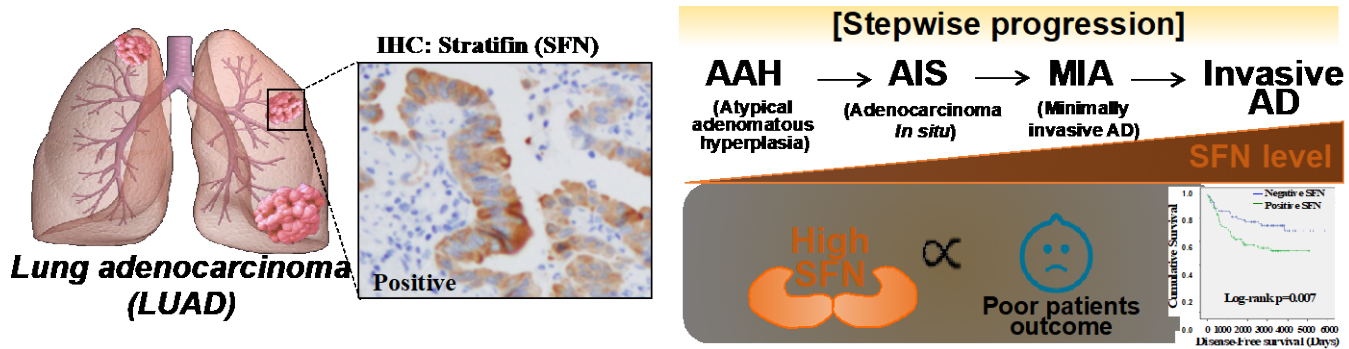


Stratifin regulates stabilization of receptor tyrosine kinases via interaction with ubiquitin-specific protease 8 in lung adenocarcinoma



This laboratory elucidates that stratifin (SFN) is a novel and unique oncoprotein that accelerates tumor initiation and early malignant progression of lung adenocarcinoma. Here, we revealed the mechanism underlying the interaction of SFN with its binding partner protein, ubiquitin-specific protease 8 (USP8), which contributes to stabilization of receptor tyrosine kinases (RTKs) such as EGFR and MET through deubiquitination. SFN facilitates USP8 activity and subsequently protects RTKs from lysosomal degradation in a cell line derived from adenocarcinoma *in situ* (AIS).

References: Kim Y, Shiba-Ishii A et al., *Oncogene* (2018), 37, 5387-5402

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