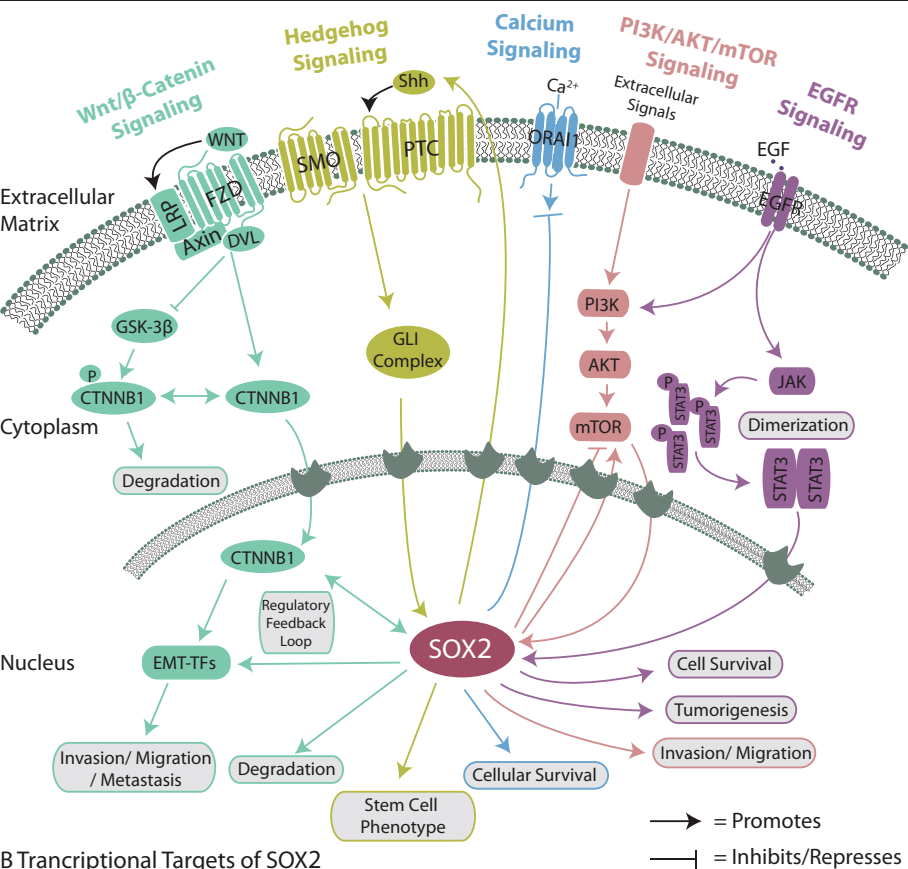


A Influence of SOX2 on Cellular Processes



B Transcriptional Targets of SOX2

Cellular Function	Transcriptional Targets	Cancer Type	Contradictory Research
Promotes cell proliferation	SOX2 → p27	Pancreatic [26]	Colorectal [35-36] Gastric [28, 37]
	SOX2 → p21	Pancreatic [26]	
	SOX2 → CCND3	Pancreatic [26]	
	SOX2 → CCND1	Breast [60]	
	SOX2 ✗ BMP4	LSCC [34]	
Represses apoptosis	SOX2 ✗ ORAI1	Prostate [25]	
Promotes invasion/migration/metastasis	SOX2 → SNAIL	Pancreatic [26]	Breast [61]
	SOX2 → SLUG	Pancreatic [26]	
	SOX2 → TWIST	Pancreatic [26]	
Maintains stem cell phenotype	SOX2 → HHAT	LSCC [21]	