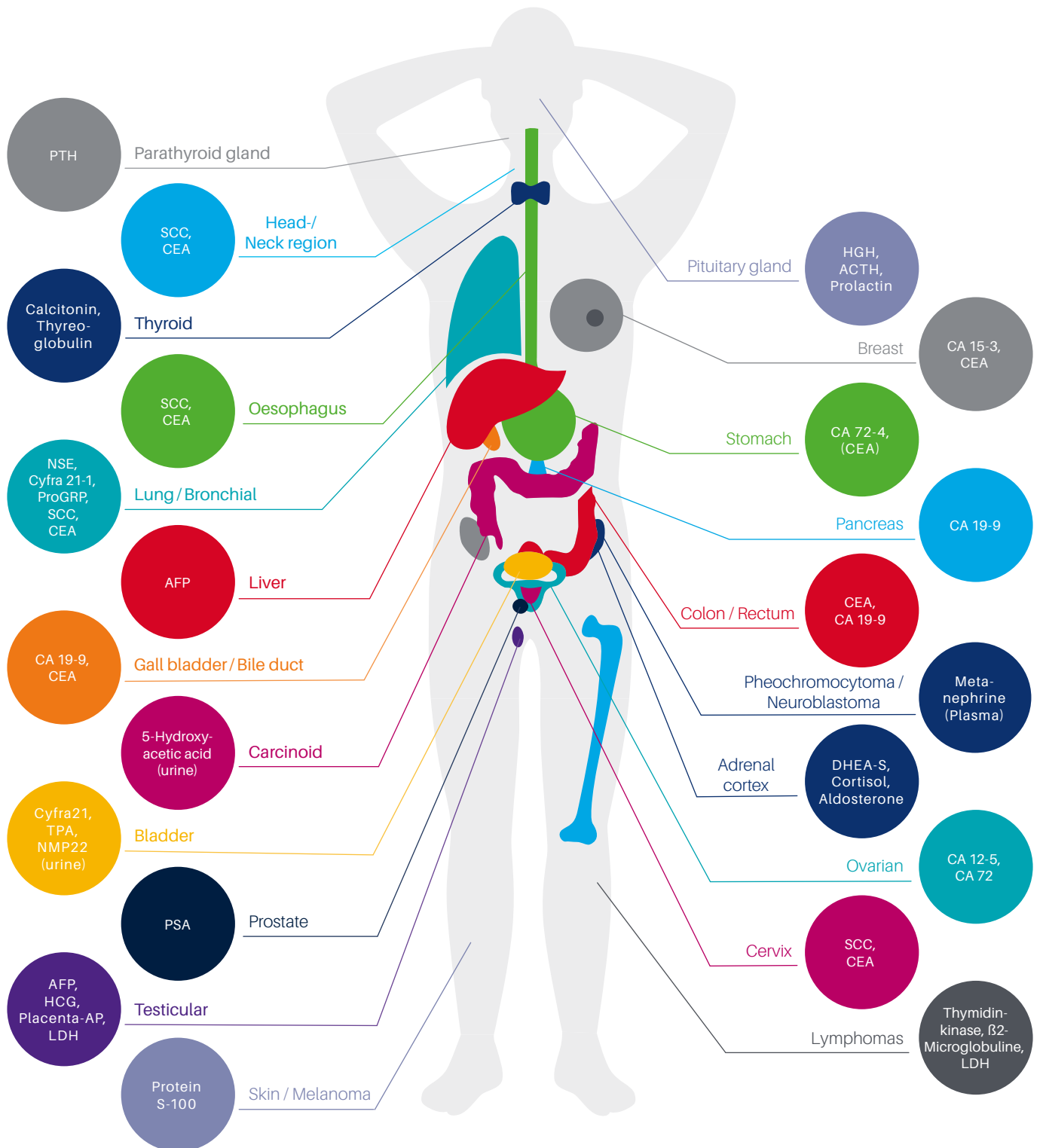


Tumor Markers



Tumor	Tumor marker or typical metabolite	Tumor marker 2nd choice
adrenal cortex	DHEAS, Cortisol, Aldosterone	
bladder carcinoma	Cyfra-21-1, TPA, NMP22 in urine	
bile duct carcinoma	CA 19-9, CEA	
breast cancer	CEA, CA 15-3, HER-2 / new	
bronchial carcinoma		
▪ small cell (SCLC)	NSE, proGRP	
▪ non-small cell (NSCLC)	CEA, Cyfra 21-1	SCC
cervic cancer	SCC, CEA	
colo-rectal carcinoma	CEA	CA 19-9
gastric carcinoma	CA 72-4	CEA, CA 19-9
Male: germinal tumor / testicular tumor	AFP, β -HCG, PLAP	
Female: germinal tumor	AFP, β -hCG	
hepatocellular carcinoma, primary	AFP	
hypophyseal tumor	HGH, ACTH, Prolactin	FSH, LH, TSH
lymphatic and myeloid leukemias	Beta-2-Microglobulin, LDH, Thymidine kinase	
malignant tumors in the head and neck region	SCC, CEA	Cyfra 21-1
melanoma	Protein S-100	
neuroendocrine tumors		
▪ general	Chromogranin A, NSE	
▪ carcinoide	5-HIES in urine	
▪ gastrinomas	Gastrin	
oesophageal carcinoma	SCC, CEA	
ovarian cancer	Ca 125, Ca 72-4 (mucinous)	
pancreatic cancer	CA 19-9	CEA
pheochromocytoma	Metanephrines in plasma	
prostatic cancer	PSA, free PSA	
thyroid cancer		
▪ papillary, follicular	Thyreoglobulin	
▪ medullary (C-cell carcinoma)	Calcitonin, CEA	