



Hepatocellular Carcinoma:

- PIVKA-II
- AFP
- GPC3
- SCCA
- DKK1
- miRNA-21
- miRNA-122
- Osteopontin
- GP73
- *COMP*
- *Gamma-GT*

Portal vein and Hepatic artery

- *Interleukin 6*
- *sPD-1*

Hepatocytes:

- AFP
- DKK1
- *Gamma-GT*
- *HBV DNA*
- *HBeAg*
- *HBsAg*

Biliary duct

- Osteopontin
- GP73



