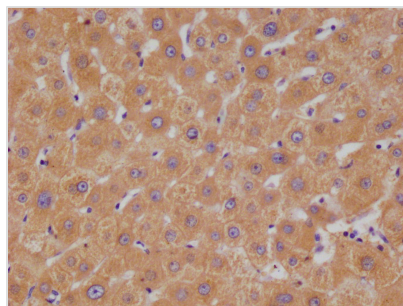




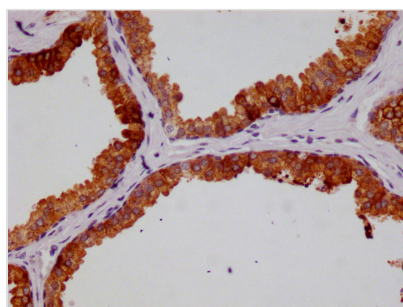
HGD Recombinant Monoclonal Antibody

Product Code	CSB-RA695552A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q93099
Immunogen	A synthesized peptide derived from human HGD
Species Reactivity	Human
Tested Applications	ELISA, IHC; Recommended dilution: IHC:1:50-1:200
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Cancer; Metabolism; Signal transduction
Gene Names	HGD
Clone No.	20D12

Image



IHC image of CSB-RA695552A0HU diluted at 1:100 and staining in paraffin-embedded human liver cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.05% DAB.



IHC image of CSB-RA695552A0HU diluted at 1:100 and staining in paraffin-embedded human prostate cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.05% DAB.



Description

The HGD recombinant monoclonal antibody is produced through a meticulous process involving several essential steps. Firstly, immunizing an animal with a synthesized peptide derived from human HGD and harvesting the B cells. Extracting total RNA from the harvested B cells and synthesizing cDNA. The cDNA is used as the template for the amplification of the HGD antibody genes through PCR. The HGD antibody genes are incorporated into an expression vector, which is transfected into host cells to enable antibody production. Subsequently, the HGD recombinant monoclonal antibody is purified from the cell culture supernatant using affinity chromatography. This HGD recombinant monoclonal antibody can react with human protein in ELISA and IHC applications.