

HBG1/HBG2 Antibody

Catalog No: #47276

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Description

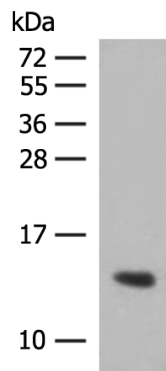
Product Name	HBG1/HBG2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	WB, IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total HBG1/HBG2 protein.
Immunogen Type	Peptide
Immunogen Description	Fusion protein of human HBG1/HBG2
Target Name	HBG1/HBG2
Other Names	fetal hemoglobin; HBGA; HBGR; HBG-T2; HSGGL1; PRO2979; TNCY; HBG-T1
Accession No.	Swiss-Prot#:P69891/P69892NCBI Gene ID:3047/3048Gene Accssion:BC010914
Uniprot	P69891
GeneID	3047;
Calculated MW	16 kDa
Concentration	0.8
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C

Application Details

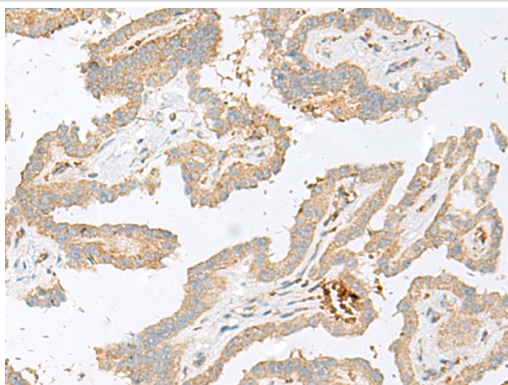
WB dilution:1:500-2000

IHC dilution:1: 50-300

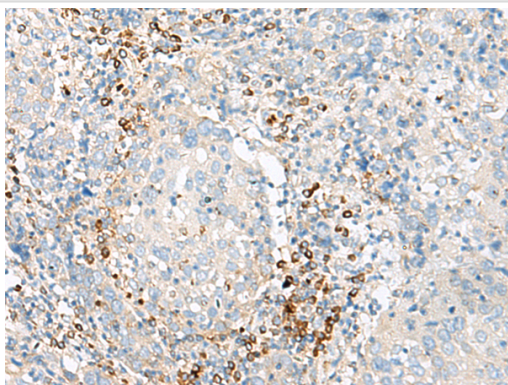
Images



Gel: 12%SDS-PAGE, Lysate: 40 µg, Lane: Human plasma solution, Primary antibody:47276(HBG1/HBG2 Antibody) at dilution 1/350, Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 20 seconds



The image is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using 47276(HBG1/HBG2 Antibody) at dilution 1/100.(Original magnification: 200)



The image is immunohistochemistry of paraffin-embedded Human cervical cancer tissue using 47276(HBG1/HBG2 Antibody) at dilution 1/100.(Original magnification: 200)

Background

The gamma globin genes (HBG1 and HBG2) are normally expressed in the fetal liver, spleen and bone marrow. Two gamma chains together with two alpha chains constitute fetal hemoglobin (HbF) which is normally replaced by adult hemoglobin (HbA) at birth. In some beta-thalassemias and related conditions, gamma chain production continues into adulthood. The two types of gamma chains differ at residue 136 where glycine is found in the G-gamma product (HBG2) and alanine is found in the A-gamma product (HBG1). The former is predominant at birth. The order of the genes in the beta-globin cluster is: 5'-epsilon -- gamma-G -- gamma-A -- delta -- beta--3'.

Note: This product is for in vitro research use only