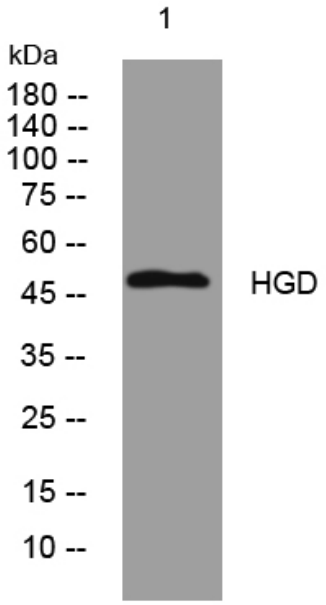
HGD rabbit pAb

Catalog No	BYab-08901
Isotype	IgG
Reactivity	Human; Mouse
Applications	WB
Gene Name	HGD HGO
Protein Name	HGD
Immunogen	Synthesized peptide derived from human HGD AA range: 21-71
Specificity	This antibody detects endogenous levels of HGD at Human/Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1：500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	
Cell Pathway	cytosol,extracellular exosome,
Tissue Specificity	Highest expression in the prostate, small intestine, colon, kidney and liver.
Function	catalytic activity:Homogentisate + O(2) = 4-maleylacetoacetate.,cofactor:Iron.,disease:Defects in HGD are the cause of alkaptonuria (AKU) [MIM:203500]. AKU is an autosomal recessive error of metabolism characterized by an increase in the level of homogentisic acid. The clinical manifestations of AKU are urine that turns dark on standing and alkalinization, black ochronotic pigmentation of cartilage and collagenous tissues, and spine arthritis.,pathway:Amino-acid degradation; L-phenylalanine degradation; acetoacetic acid and fumarate from L-phenylalanine: step 4/6.,similarity:Belongs to the homogentisate dioxygenase family.,tissue specificity:Highest expression in the prostate, small intestine, colon, kidney and liver.,

Background	This gene encodes the enzyme homogentisate 1,2 dioxygenase. This enzyme is involved in the catabolism of the amino acids tyrosine and phenylalanine. Mutations in this gene are the cause of the autosomal recessive metabolism disorder alkaptonuria.[provided by RefSeq, May 2010],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from Hela cells, primary antibody was diluted at 1:1000, 4°over night