



Rabbit Anti-Human HRG Polyclonal Antibody (CABT-L2215)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Histidine Rich Glycoprotein (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against HRG. It has been selected for its ability to recognize HRG in immunohistochemical staining and western blotting.
Target	HRG
Immunogen	Recombinant fragment corresponding to human HRG (Ala18~Gly254)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Pig
Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
Preservative	0.05% Proclin-300

Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags

BACKGROUND

Introduction	This histidine-rich glycoprotein contains two cystatin-like domains and is located in plasma and platelets. The physiological function has not been determined but it is known that the protein binds heme, dyes and divalent metal ions. The encoded protein also has a peptide that displays antimicrobial activity against <i>C. albicans</i> , <i>E. coli</i> , <i>S. aureus</i> , <i>P. aeruginosa</i> , and <i>E. faecalis</i> . It can inhibit rosette formation and interacts with heparin, thrombospondin and plasminogen. Two of the proteins effects, the inhibition of fibrinolysis and the reduction of inhibition of coagulation, indicate a potential prothrombotic effect. Mutations in this gene lead to thrombophilia due to abnormal histidine-rich glycoprotein levels. [provided by RefSeq, Nov 2014]
Keywords	HPRG;HRGP;Histidine-Proline Rich Glycoprotein;Thrombophilia Due To Elevated HRG

GENE INFORMATION

Gene Name	HRG histidine-rich glycoprotein [Homo sapiens (human)]
Official Symbol	HRG
Synonyms	HRG; histidine-rich glycoprotein; HPRG; HRGP; THPH11; histidine-proline-rich glycoprotein;
Entrez Gene ID	3273
Protein Refseq	NP_000403
UniProt ID	P04196
Chromosome Location	3q27
Pathway	Dissolution of Fibrin Clot; Hemostasis; Platelet activation, signaling and aggregation; Platelet degranulation; Response to elevated platelet cytosolic Ca ²⁺ ;
Function	cysteine-type endopeptidase inhibitor activity; heme binding; heparan sulfate proteoglycan binding; heparin binding; immunoglobulin binding; metal ion binding; protein binding; receptor binding; serine-type endopeptidase inhibitor activity; zinc ion binding;