

## HRG

**Reactivity:** Mouse Rat

**Tested applications:** WB IHC

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:100

**Calculated MW:** 60kDa

**Observed MW:** Refer to figures

**Immunogen:**

Recombinant protein of human HRG

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

HPRG; HRGP; THPH11;

**Catalog #:** A8431

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 3273

**Isotype:** IgG

**Swiss Prot:** P04196

**Purity:** Affinity purification

For research use only.

**Background:**

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 *C. albicans*, *E. coli*, *S. aureus*, *P. aeruginosa*, and *E. faecalis*. It can inhibit rosette formation and interacts with heparin, thrombospondin and plasminogen. Two of the protein's 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.

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