



[Go to Product page](#)

Datasheet for ABIN3042459
anti-HRG antibody (AA 19-200)

3 Images

Overview

Quantity:	100 µg
Target:	HRG
Binding Specificity:	AA 19-200
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HRG antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Histidine-rich glycoprotein(HRG) detection. Tested with WB, IHC-P in Human.
Immunogen:	E.coli-derived human HRG recombinant protein (Position: V19-V200). Human HRG shares 71% and 69% amino acid (aa) sequences identity with mouse and rat HRG, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Histidine-rich glycoprotein(HRG) detection. Tested with WB, IHC-P in Human. Gene Name: histidine-rich glycoprotein Protein Name: Histidine-rich glycoprotein
Purification:	Immunogen affinity purified.

Target Details

Target: HRG

Alternative Name: HRG ([HRG Products](#))

Background: Histidine-rich glycoprotein (HRG) is a protein that in humans is encoded by the HRG gene. It is mapped to 3q27.3. HRG contains two cystatin-like domains and is located in plasma and platelets. The protein can bind heme, dyes and divalent metal ions. It also 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. HRG is thought to have multiple roles as a protein in the human blood, including roles in immunity, angiogenesis and coagulation.

Synonyms: DKFZp779H1622 antibody|Histidine proline rich glycoprotein antibody|Histidine rich glycoprotein antibody|HPRG antibody|HRGP antibody|Thrombophilia due to elevated HRG antibody

Gene ID: 3273

UniProt: [P04196](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, The detection limit for HRG is approximately 0.2 ng/lane under reducing conditions.
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.
Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Handling

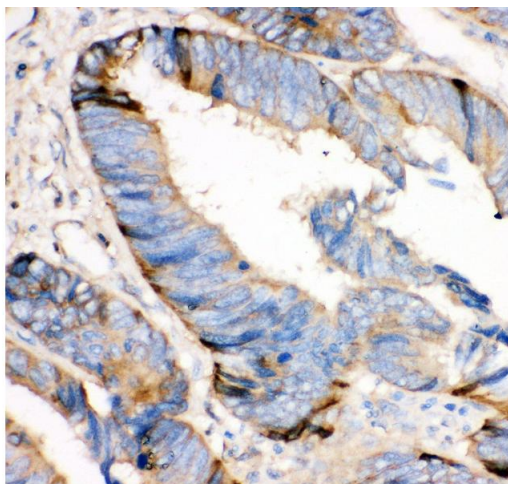
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Anti- HRG antibody, Western blotting All lanes: Anti HRG at 0.5ug/ml WB: Human Placenta Tissue Lysate at 50ug Predicted bind size: 60KD Observed bind size: 60KD



Immunohistochemistry

Image 2. Anti- HRG antibody, IHC(P) IHC(P): Human Intestinal Cancer Tissue



Western Blotting

Image 3.