

Rabbit HBD Polyclonal Antibody | anti-HBD antibody

Anti-HBD Picoband Antibody

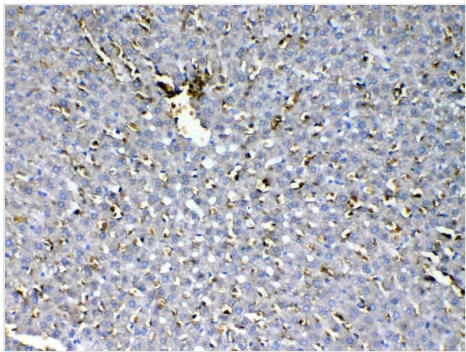
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19142	Rabbit	Human, Mouse, Rat No cross reactivity with other proteins.	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

HBD; Polyclonal Antibody; Anti-HBD Picoband Antibody; Hemoglobin subunit delta; Delta-globin; Hemoglobin delta chain; anti-HBD antibody

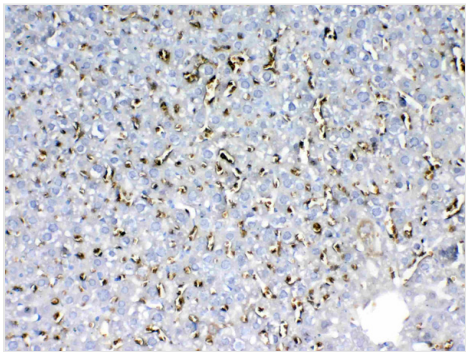
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified
Form/Format	Lyophilized
Concentration	Add 0.2ml of distilled water will yield a concentration of 500ug/ml. (varies by lot)
Sequence Length	147
Applicable Applications for anti-HBD antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	WB: 0.1-0.5μg/ml Immunohistochemistry (Paraffin-embedded Section): 0.5-1μg/ml Direct ELISA: 0.1-0.5μg/ml
Immunogen	E Coli-derived human HBD recombinant protein (Position: V2-H147).
Tissue Specificity	Red blood cells.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Na ₃ .
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



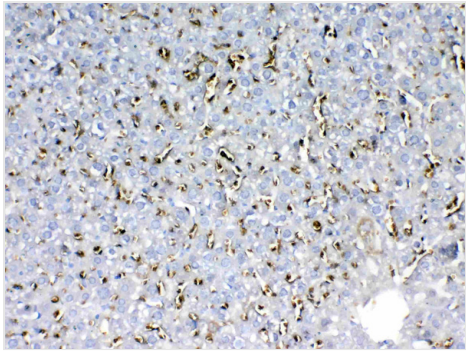
IHC (Immunohistochemistry)

Figure 8. IHC analysis of HBD using anti-HBD antibody (AAA19142).HBD was detected in paraffin-embedded section of rat liver tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-HBD Antibody (AAA19142) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



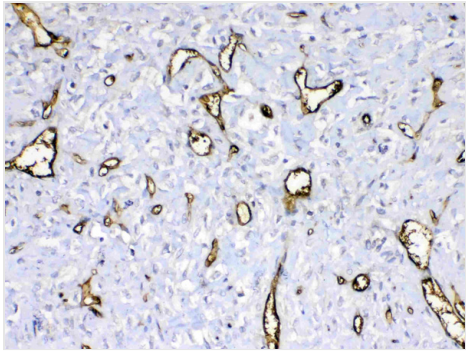
IHC (Immunohistochemistry)

Figure 7. IHC analysis of HBD using anti-HBD antibody (AAA19142).HBD was detected in paraffin-embedded section of mouse liver tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-HBD Antibody (AAA19142) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



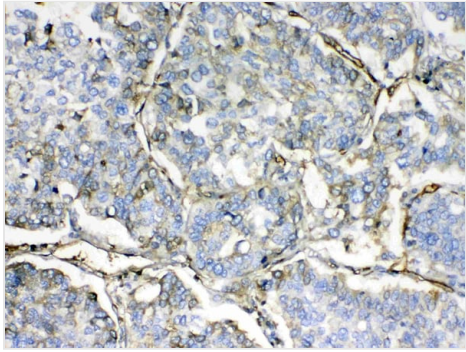
IHC (Immunohistochemistry)

Figure 6. IHC analysis of HBD using anti-HBD antibody (AAA19142).HBD was detected in paraffin-embedded section of human placenta tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-HBD Antibody (AAA19142) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



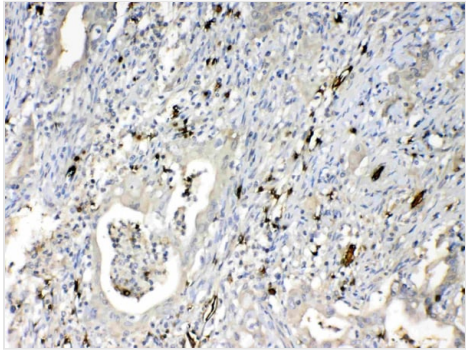
IHC (Immunohistochemistry)

Figure 5. IHC analysis of HBD using anti-HBD antibody (AAA19142).HBD was detected in paraffin-embedded section of human mammary cancer tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-HBD Antibody (AAA19142) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 4. IHC analysis of HBD using anti-HBD antibody (AAA19142).HBD was detected in paraffin-embedded section of human lung cancer tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-HBD Antibody (AAA19142) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 3. IHC analysis of HBD using anti-HBD antibody (AAA19142).HBD was detected in paraffin-embedded section of human intestinal cancer tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-HBD Antibody (AAA19142) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-HBD antibody	Description: Hemoglobin subunit delta is a protein that in humans is encoded by the HBD gene. The delta (HBD) and beta (HBB) genes are normally expressed in the adult: two alpha chains plus two beta chains constitute HbA, which in normal adult life comprises about 97% of the total hemoglobin. Two alpha chains plus two delta chains constitute HbA-2, which with HbF comprises the remaining 3% of adult hemoglobin. Five beta-like globin genes are found within a 45 kb cluster on chromosome 11 in the following order: 5'-epsilon--Ggamma--Agamma--delta--beta-3'. Protein Function: Involved in oxygen transport from the lung to the various peripheral tissues.
Product Categories/Family for anti-HBD antibody	Signal Transduction; Protein Phosphorylation; SER/THR Kinases; pkc; Biochemicals; Chemical Type; Pharmacology; Enzymes; kinase; Protein Kinase c; inhibitors

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504351
NCBI GeneID	3045
NCBI Accession #	NP_000510.1
NCBI GenBank Nucleotide #	NM_000519.3
UniProt Accession #	P02042; Q3Y5H3; Q8WXT7
Molecular Weight	16,055 Da
NCBI Official Full Name	hemoglobin subunit delta
NCBI Official Synonym Full Names	hemoglobin subunit delta
NCBI Official Symbol	HBD
NCBI Protein Information	hemoglobin subunit delta
UniProt Protein Name	Hemoglobin subunit delta
UniProt Gene Name	HBD

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/hbd-antibody-immunohistochemistry-western-blot-elisa/19142>