BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-HBE1 Antibody(Center)

Catalog Number: A08093-1

About HBE1

The epsilon globin gene (HBE) is normally expressed in the embryonic yolk sac: two epsilon chains together with two zeta chains (an alpha-like globin) constitute the embryonic hemoglobin Hb Gower I; two epsilon chains together with two alpha chains form the embryonic Hb Gower II. Both of these embryonic hemoglobins are normally supplanted by fetal, and later, adult hemoglobin. The five beta-like globin genes are found within a 45 kb cluster on chromosome 11 in the following order: 5'-epsilon - G-gamma - A-gamma - delta - beta-3'

Overview

Product Name	Anti-HBE1 Antibody(Center)
Reactive Species	Human
Description	Boster Bio Anti-HBE1 Antibody(Center) (Catalog # A08093-1). Tested in WB, Flow Cytometry, IHC-P-Leica application(s). This antibody reacts with Human.
Application	Flow Cytometry, WB, IHC-P-Leica
Clonality	Polyclonal
Formulation	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P02100

Technical Details

Immunogen	This HBE1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 55-83 amino acids from the Central region of human HBE1.
Predicted Reactive Species	Rabbit
Isotype	Rabbit IgG
Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Suggested Dilutions	WB: 1:8000 IHC-P-Leica: 1:500 FC: 1:25

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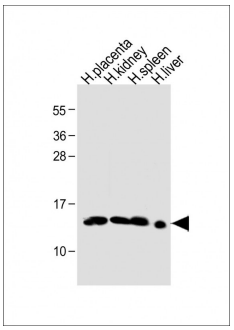
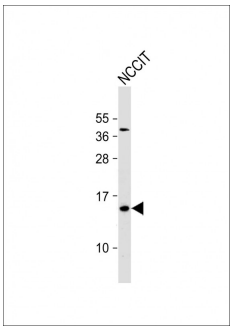
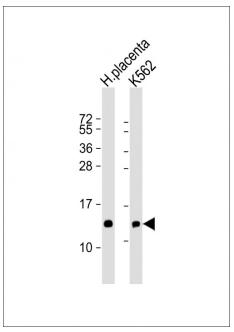
Anti-HBE1 Antibody(Center) (A08093-1) Images



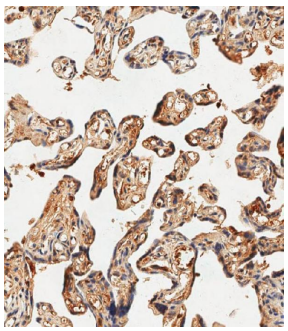
All lanes : Anti-HBE1 Antibody (Center) at 1:1000 dilutionLane 1: human placenta lysateLane 2: human kidney lysateLane 3: human spleen lysateLane 4: human liver lysateLysates/proteins at 20 µg per lane. SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 16 kDaBlocking/Dilution buffer: 5% NFDM/TBST.



Anti-HBE1 Antibody(Center) at 1:1000 dilution + NCCIT whole cell lysateLysates/proteins at 20 µg per lane. SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 16 kDaBlocking/Dilution buffer: 5% NFDM/TBST.



All lanes : Anti-HBE1 Antibody (Center) at 1:8000 dilutionLane 1: human placenta lysateLane 2: K562 whole cell lysateLysates/proteins at 20 µg per lane. SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 16 kDaBlocking/Dilution buffer: 5% NFDM/TBST.



Immunohistochemical analysis of paraffin-embedded human placenta tissue using A08093-1 performed on the Leica® BOND RXm. Samples were incubated with primary antibody(1/500) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.

Overlay histogram showing K562 cells stained with A08093-1 (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (A08093-1, 1:25 dilution) for 60 min at 37ºC. The secondary antibody

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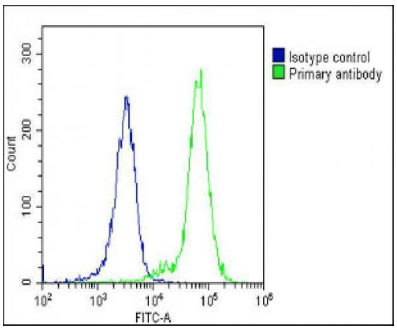

used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed at 1/200 dilution for 40 min at 37ºC. Isotype control antibody (blue line) was rabbit IgG1 (1g/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.

Anti-HBE1 Antibody(Center)

For Research Use Only. Not for use in diagnostic procedures.