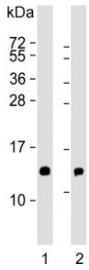
# HBE1 Antibody / Hemoglobin subunit epsilon (F54383)

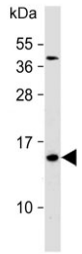
| Catalog No. | Formulation | Size |
|---|---|---|
| F54383-0.4ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.4 ml |
| F54383-0.08ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.08 ml |

**Bulk quote request**

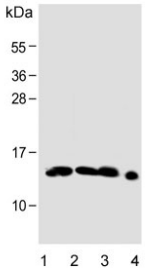
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit Ig |
| **Purity** | Antigen affinity purified |
| **UniProt** | P02100 |
| **Localization** | Cytoplasmic, secreted |
| **Applications** | Western Blot : 1:500-1:2000<br>Flow Cytometry : 1:25 (1x10e6 cells)<br>Immunohistochemistry (FFPE) : 1:25 |
| **Limitations** | This HBE1 antibody is available for research use only. |



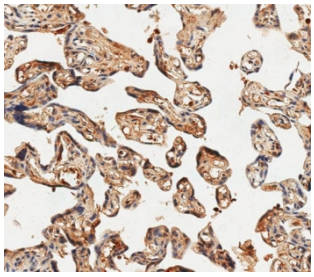

Western blot testing of human 1) placenta and 2) K562 lysate with HBE1 antibody. Predicted molecular weight ~16 kDa.



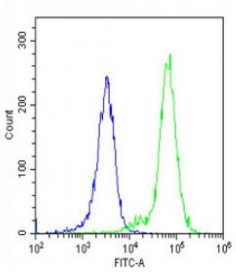

Western blot testing of human NCCIT cell lysate with HBE1 antibody. Predicted molecular weight ~16 kDa.




Western blot testing of human 1) placenta, 2) kidney, 3) spleen and 4) liver lysate with HBE1 antibody. Predicted molecular weight ~16 kDa.



IHC testing of FFPE human placenta tissue with HBE1 antibody. HIER: steam section in pH9 EDTA for 20 min and allow to cool prior to staining.




Flow cytometry testing of fixed and permeabilized human K562 cells with HBE1 antibody; Blue=isotype control, Green= HBE1 antibody.

## Description

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'

## Application Notes

The stated application concentrations are suggested starting points. Titration of the HBE1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 55-83 from the human protein was used as the immunogen for the HBE1 antibody.

## Storage

Aliquot the HBE1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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