

# Anti-Hemoglobin subunit beta antibody [EPR20614] - BSA and Azide free ab240390

リコンビナント **RabMAb**

画像数 3

### 製品の概要

製品名	Anti-Hemoglobin subunit beta antibody [EPR20614] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR20614] to Hemoglobin subunit beta - BSA and Azide free
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, IP
種交差性	<b>交差種:</b> Mouse, Rat, Human
免疫原	<p><b>This product was produced with the following immunogens:</b></p> <p>Recombinant full length protein. This information is proprietary to Abcam and/or its suppliers.</p> <p>Recombinant full length protein within Human Hemoglobin subunit beta aa 1 to the C-terminus. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please <b><u>contact</u></b> our Scientific Support team to discuss your requirements.</p> <p>Database link: <b><u>P68871</u></b></p> <div>  <b><u>Run BLAST with</u></b>  <b><u>Run BLAST with</u></b> </div>
ポジティブ・コントロール	WB: Rat heart lysate; Mouse heart and lung lysates.
特記事項	<p>ab240390 is the carrier-free version of <b><u>ab214049</u></b>.</p> <p>Our <b><u>carrier-free</u></b> antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our <b><u>conjugation kits</u></b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> </ul>

- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb<sup>®</sup> patents](#).

## 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Do Not Freeze.
バッファー	pH: 7.2 Constituent: PBS
キャリア・フリー	はい
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR20614
アイソタイプ	IgG

## アプリケーション

The Abpromise guarantee      **Abpromise保証は、次のテスト済みアプリケーションにおけるab240390の使用に適用されます**  
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		Use at an assay dependent concentration. Detects a band of approximately 13 kDa (predicted molecular weight: 15 kDa).
IP		Use at an assay dependent concentration.

## ターゲット情報

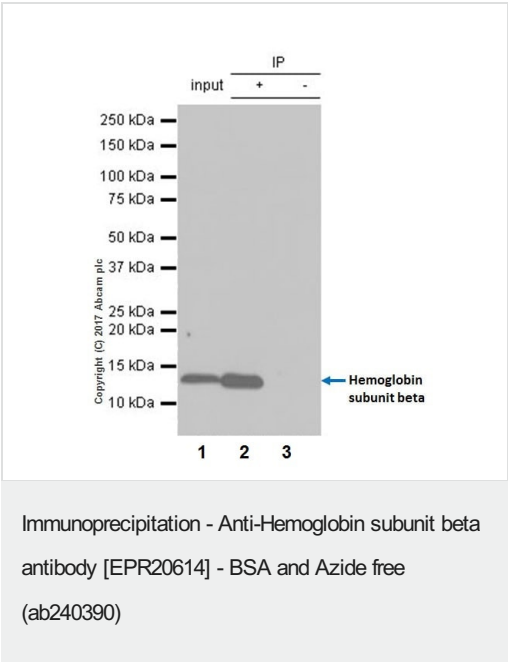
機能	Involved in oxygen transport from the lung to the various peripheral tissues. LVV-hemorphin-7 potentiates the activity of bradykinin, causing a decrease in blood pressure. Spinorphin: functions as an endogenous inhibitor of enkephalin-degrading enzymes such as DPP3, and as a selective antagonist of the P2RX3 receptor which is involved in pain signaling, these properties implicate it as a regulator of pain and inflammation.
組織特異性	Red blood cells.
関連疾患	Heinz body anemias Beta-thalassemia Sickle cell anemia Beta-thalassemia, dominant, inclusion body type
配列類似性	Belongs to the globin family.

Glucose reacts non-enzymatically with the N-terminus of the beta chain to form a stable ketoamine linkage. This takes place slowly and continuously throughout the 120-day life span of the red blood cell. The rate of glycation is increased in patients with diabetes mellitus.

S-nitrosylated; a nitric oxide group is first bound to Fe(2+) and then transferred to Cys-94 to allow capture of O(2).

Acetylated on Lys-60, Lys-83 and Lys-145 upon aspirin exposure.

画像



Hemoglobin subunit beta was immunoprecipitated from 0.35 mg of TF-1 (human bone marrow erythroleukemia cell line) lysate with **ab214049** at 1/40 dilution. Western blot was performed from the immunoprecipitate using **ab214049** at 1/1,000 dilution. VeriBlot for IP Detection Reagent (HRP) (**ab131366**), was used for detection at 1/10,000 dilution.

Lane 1: TF-1 whole cell lysate 10 µg (Input).

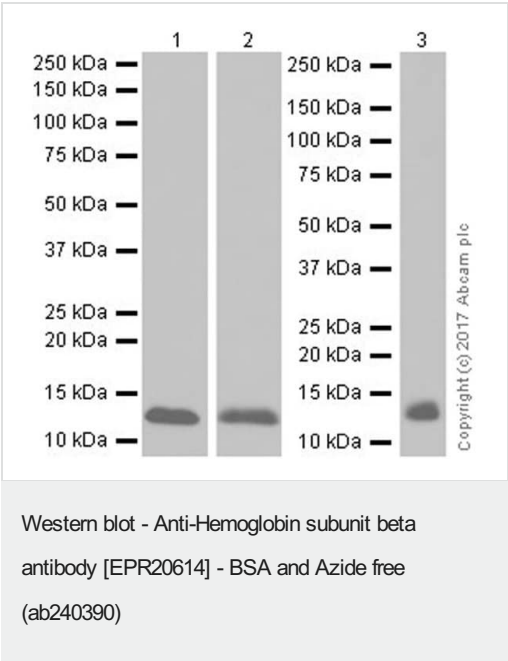
Lane 2: **ab214049** IP in TF-1 whole cell lysate (+).

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of **ab214049** in TF-1 whole cell lysate (-).

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Exposure time: 3 minutes.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab214049**).



**All lanes** : Anti-Hemoglobin subunit beta antibody [EPR20614] (**ab214049**) at 1/1000 dilution

**Lane 1** : Rat heart lysate at 20 µg

**Lane 2** : Mouse heart lysate at 20 µg

**Lane 3** : Mouse lung lysate at 10 µg

Secondary

**All lanes** : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Developed using the ECL technique.

**Predicted band size:** 15 kDa

**Observed band size:** 13 kDa

Blocking/Dilution buffer: 5% NFDm/TBST.

Exposure times: Lane 1-2: 3 minutes; Lane 3: 10 seconds.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab214049**).

Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results

**Long-term and scalable supply**  
Recombinant technology

**Success from the first experiment**  
Confirmed specificity

**Ethical standards compliant**  
Animal-free production

Anti-Hemoglobin subunit beta antibody [EPR20614]  
- BSA and Azide free (ab240390)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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