


## Product datasheet

### Anti-USF1 antibody [EPR6430] $\alpha$ b125020

Recombinant RabMAb

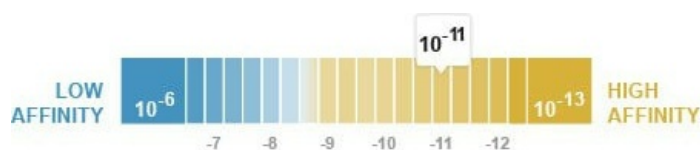
[6 References](#) [4 Images](#)

#### Overview

Product name	Anti-USF1 antibody [EPR6430]
Description	Rabbit monoclonal [EPR6430] to USF1
Host species	Rabbit
Tested applications	<b>Suitable for:</b> WB, Flow Cyt (Intra) <b>Unsuitable for:</b> ICC/IF, IHC-P or IP
Species reactivity	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
Immunogen	Synthetic peptide within Human USF1 aa 150-250. The exact sequence is proprietary.
Positive control	K-562, Jurkat and HeLa whole cell lysate ( <a href="#">ab150035</a> ); Jurkat cells
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> For more information <a href="#">see here</a> . Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .

#### Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Dissociation constant ( $K_D$ )	$K_D = 9.50 \times 10^{-11}$ M



[Learn more about  \$K\_D\$](#)

Storage buffer	pH: 7.20
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	Preservative: 0.05% Sodium azide
	Constituents: 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR6430
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab125020 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

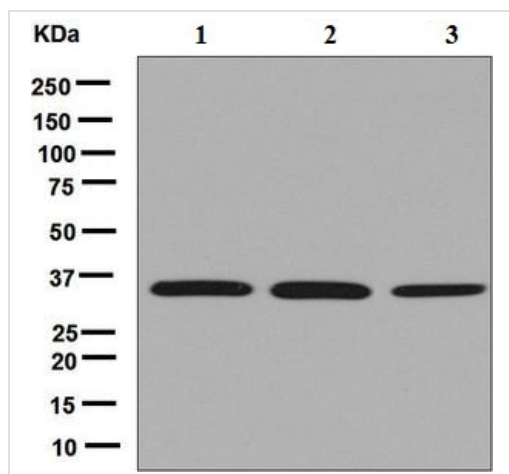
Application	Abreviews	Notes
<b>WB</b>		1/10000 - 1/50000. Detects a band of approximately 34 kDa (predicted molecular weight: 34 kDa).
<b>Flow Cyt (Intra)</b>		1/10 - 1/100. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

**Application notes** Is unsuitable for ICC/IF, IHC-P or IP.

## Target

<b>Relevance</b>	USF1 is a member of the basic helix-loop-helix leucine zipper family, and can function as a cellular transcription factor. The encoded protein can activate transcription through pyrimidine-rich initiator (Inr) elements and E box motifs. USF1 has been linked to familial combined hyperlipidemia (FCHL). Two transcript variants encoding distinct isoforms have been identified for this.
<b>Cellular localization</b>	Nuclear

## Images



Western blot - Anti-USF1 antibody [EPR6430]  
(ab125020)

**All lanes** : Anti-USF1 antibody [EPR6430] (ab125020) at 1/10000 dilution

**Lane 1** : K-562 cell lysate

**Lane 2** : Jurkat cell lysate

**Lane 3** : HeLa cell lysate

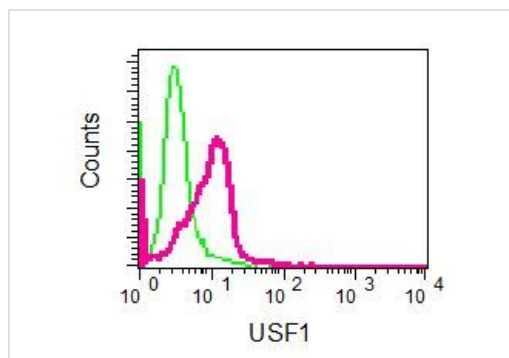
Lysates/proteins at 10 µg per lane.

#### Secondary

**All lanes** : HRP labelled goat anti-rabbit at 1/2000 dilution

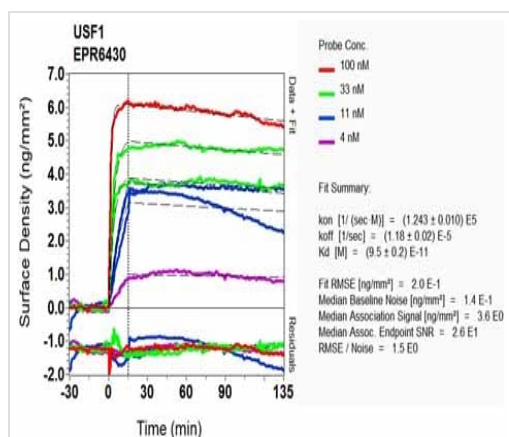
**Predicted band size:** 34 kDa

**Observed band size:** 34 kDa



Flow Cytometry (Intracellular) - Anti-USF1 antibody  
[EPR6430] (ab125020)

Intracellular flow cytometric analysis of permeabilized Jurkat cells using ab125020 at 1/10 dilution (red) or a rabbit IgG (negative) (green).



OL-RD Scanning - Anti-USF1 antibody [EPR6430]  
(ab125020)

Equilibrium dissociation constant ( $K_D$ )

Learn more about  $K_D$

[Click here to learn more about  \$K\_D\$](#)

### 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-USF1 antibody [EPR6430] (ab125020)

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

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