

## Product datasheet

# Anti-HDGF antibody ab43668

### 1 References

#### 製品の概要

製品名	Anti-HDGF antibody
製品の詳細	Mouse polyclonal to HDGF
由来種	Mouse
アプリケーション	適用あり: WB
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat, Cow
免疫原	Fusion protein: GLWEIENNPT VKASGYQSSQ KKSCVVEEPEP EPEAAEGDGD KKGNAEGSSD EEGKLVIDEP AKEKNEKGAL KRRAGDLLED SPKRPKEAEN PEGEEKEAAT , corresponding to amino acids 85-185 of Human HDGF <a href="#">Run BLAST with ExPASy</a> <a href="#">Run BLAST with NCBI</a>

#### 特記事項

This antibody was raised by a genetic immunization technique. Genetic immunization can be used to generate antibodies by directly delivering antigen-coding DNA into the animal, rather than injecting a protein or peptide (Tang et al. PubMed: 1545867; Chambers and Johnston PubMed 12910245; Barry and Johnston PubMed: 9234514). The animal's cells produce the protein, which stimulates the animal's immune system to produce antibodies against that particular protein. A vector coding for a partial fusion protein was used for genetic immunisation of a mouse and the resulting serum was tested in Western blot against an E.coli lysate containing that partial fusion protein. Genetic immunization offers enormous advantages over the traditional protein-based immunization method. DNA is faster, cheaper and easier to produce and can be produced by standard techniques readily amenable to automation. Furthermore, the antibodies generated by genetic immunization are usually of superior quality with regard to specificity, affinity and recognizing the native protein.

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	Preservative: None Constituents: 50% Glycerol, Whole serum
精製度	Whole antiserum
一次抗体 備考	This antibody was raised by a genetic immunization technique. Genetic immunization can be

used to generate antibodies by directly delivering antigen-coding DNA into the animal, rather than injecting a protein or peptide (Tang et al. PubMed: 1545867; Chambers and Johnston PubMed 12910245; Barry and Johnston PubMed: 9234514). The animal's cells produce the protein, which stimulates the animal's immune system to produce antibodies against that particular protein. A vector coding for a partial fusion protein was used for genetic immunisation of a mouse and the resulting serum was tested in Western blot against an *E.coli* lysate containing that partial fusion protein. Genetic immunization offers enormous advantages over the traditional protein-based immunization method. DNA is faster, cheaper and easier to produce and can be produced by standard techniques readily amenable to automation. Furthermore, the antibodies generated by genetic immunization are usually of superior quality with regard to specificity, affinity and recognizing the native protein.

ポリ/モノ  
アイソタイプ

ポリクローナル  
IgG

## アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab43668** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
WB		1/1000. Predicted molecular weight: 27 kDa. This antibody has been tested in Western blot against an <i>E.coli</i> lysate containing the partial recombinant fusion protein used as an immunogen. We have no data on detection of endogenous protein.

## ターゲット情報

機能	Heparin-binding protein, with mitogenic activity for fibroblasts. Acts as a transcriptional repressor.
組織特異性	Ubiquitous.
配列類似性	Belongs to the HDGF family. Contains 1 PWWP domain.
ドメイン	The PWWP domain harbors the heparin-binding sites and is responsible for DNA-binding, while the C-terminal region is essentially unstructured.
翻訳後修飾	Sumoylated by SUMO1. Sumoylation prevents binding to chromatin.
細胞内局在	Cytoplasm. Nucleus.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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- Replacement or refund for products not performing as stated on the datasheet
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- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
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