

Product datasheet

Anti-HDGF antibody [26C4a] ab58644

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Overview

Product name	Anti-HDGF antibody [26C4a]
Description	Mouse monoclonal [26C4a] to HDGF
Host species	Mouse
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Recombinant fragment
Immunogen	Recombinant fragment of human HDGF, from an internal sequence.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Storage buffer	pH: 7.40 Preservative: 0.05% Sodium azide Constituents: 0.0204% Monobasic dihydrogen potassium phosphate, 0.1136% Dibasic monohydrogen sodium phosphate, 0.0225% Potassium chloride, 0.03% Potassium phosphate, 0.1312% Sodium phosphate, 0.812% Sodium chloride, 1% BSA
Purity	Protein G purified
Purification notes	ab58644 was purified using protein G column chromatography from culture supernatant of hybridoma cultured in a medium containing bovine IgG-depleted (approximately 95%) fetal bovine serum and filtered through a 0.22µm membrane.
Clonality	Monoclonal
Clone number	26C4a
Isotype	IgG1

Applications

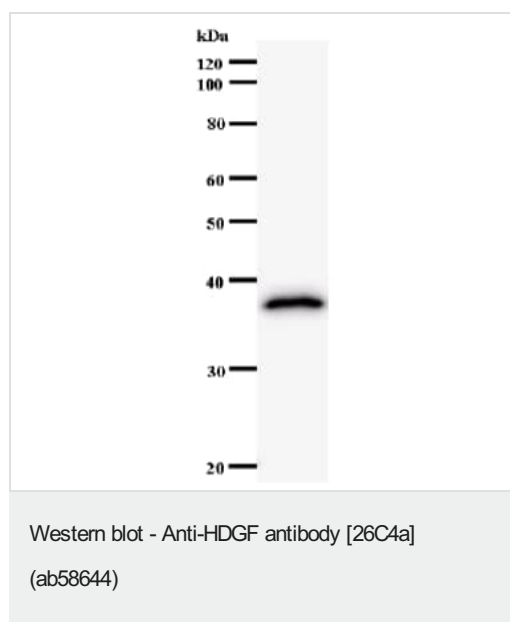
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab58644 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 37 kDa (predicted molecular weight: 27 kDa).

Target

Function	Heparin-binding protein, with mitogenic activity for fibroblasts. Acts as a transcriptional repressor.
Tissue specificity	Ubiquitous.
Sequence similarities	Belongs to the HDGF family. Contains 1 PWWP domain.
Domain	The PWWP domain harbors the heparin-binding sites and is responsible for DNA-binding, while the C-terminal region is essentially unstructured.
Post-translational modifications	Sumoylated by SUMO1. Sumoylation prevents binding to chromatin.
Cellular localization	Cytoplasm. Nucleus.

Images



Anti-HDGF antibody [26C4a] (ab58644) at 1/100 dilution + immunising recombinant protein

at 25 µg

Secondary

Sheep Anti Mouse IgG at 1/3000 dilution

Predicted band size: 27 kDa

Observed band size: 37 kDa

The immunogen shown in the WB is tagged.

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