abcam

Product datasheet

Anti-IGFBP2 antibody [EPR18012-257] - BSA and Azide free ab225763

重组 RabMAb

8 图像

概述

产品名称	Anti-IGFBP2抗体[EPR18012-257] - BSA and Azide free
描述	兔单克隆抗体[EPR18012-257] to IGFBP2 - BSA and Azide free
宿主	Rabbit
经测试应用	**适用于:** IHC-Fr, WB, IHC-P, IP, Flow Cyt (Intra)
种属反应性	**与反应:** Mouse, Rat, Human
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
阳性对照	IHC-P: Mouse choroid plexus tissue.
常规说明	ab225763 is the carrier-free version of **ab188200**. Our **carrier-free** 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. 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. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C. Do Not Freeze.
存储溶液	pH: 7.2

	Constituent: PBS
无载体	**是**
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR18012-257
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab225763于以下的经测试应用**

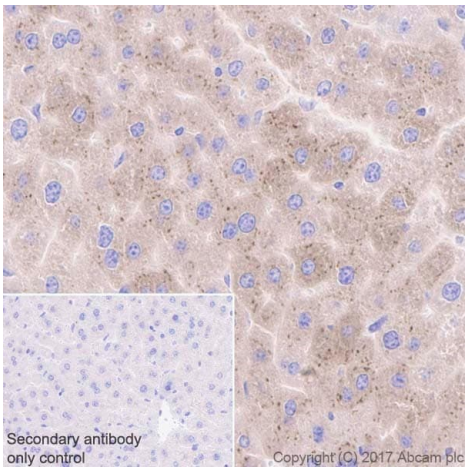
"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-Fr		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 33 kDa (predicted molecular weight: 33 kDa).
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. This antibody is not suitable for human and rat species in IHC application due to non-specific or negative staining.
IP		Use at an assay dependent concentration.
Flow Cyt (Intra)		Use at an assay dependent concentration.

靶标

功能	Inhibits IGF-mediated growth and developmental rates. IGF-binding proteins prolong the half-life of the IGFs and have been shown to either inhibit or stimulate the growth promoting effects of the IGFs on cell culture. They alter the interaction of IGFs with their cell surface receptors.
序列相似性	Contains 1 IGFBP N-terminal domain. Contains 1 thyroglobulin type-1 domain.
结构域	The C-terminus is required for IGF-binding and growth inhibition.
翻译后修饰	O-glycosylated.
细胞定位	Secreted.

图片

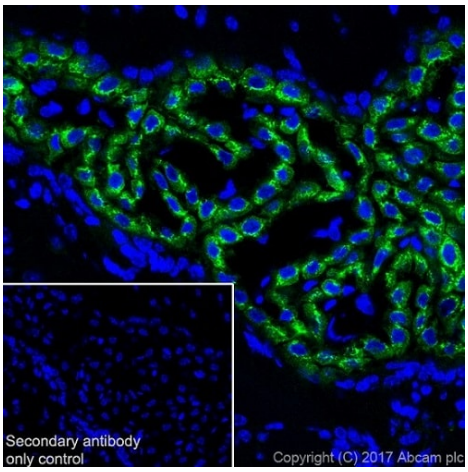


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IGFBP2 antibody [EPR18012-257] - BSA and Azide free (ab225763)

Immunohistochemical analysis of paraffin-embedded mouse liver tissue labeling IGFBP2 with **ab188200** at 1/1000 dilution, followed by a Goat Anti-Rabbit IgG H&L (HRP) ready to use. Cytoplasmic staining on mouse liver (PMID: 7678219) is observed. Counter stained with hematoxylin.
Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is a Goat Anti-Rabbit IgG H&L (HRP) ready to use.

Perform heat mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0).

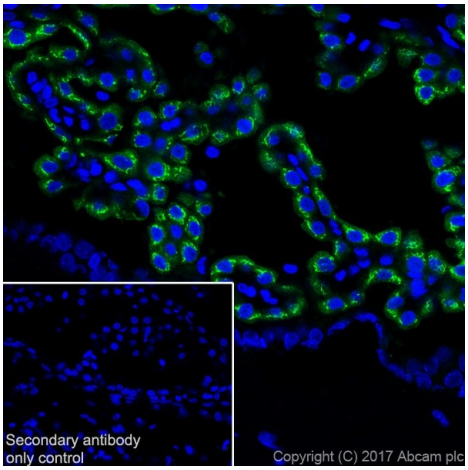
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab188200**).



Immunohistochemistry (Frozen sections) - Anti-IGFBP2 antibody [EPR18012-257] - BSA and Azide free (ab225763)

Immunohistochemical analysis of 4% PFA fixed, 0.2% TritonX-100 permeabilized mouse brain (choroid plexus) tissue labeling IGFBP2 with **ab188200** at 1/500 dilution, followed by **ab150077** AlexaFluor®488 Goat anti-Rabbit secondary at 1/1000 dilution. Cytoplasmic staining in the epithelial cells of choroid plexus on mouse tissue section is observed. Counter stained with DAPI.
Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is **ab150077** AlexaFluor®488 Goat anti-Rabbit secondary at 1/1000 dilution.
Perform heat mediated antigen retrieval using Tris-EDTA (pH 9.0) (**ab94681**).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab188200**).



Immunohistochemistry (Frozen sections) - Anti-IGFBP2 antibody [EPR18012-257] - BSA and Azide free (ab225763)

Immunohistochemical analysis of 4% PFA fixed, 0.2% TritonX-100 permeabilized rat brain (choroid plexus) tissue labeling IGFBP2 with **ab188200** at 1/500 dilution, followed by **ab150077** AlexaFluor®488 Goat anti-Rabbit secondary at 1/1000 dilution. Cytoplasmic staining in the epithelial cells of choroid plexus on rat tissue section is observed. Counter stained with DAPI.
Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is **ab150077** AlexaFluor®488 Goat anti-Rabbit secondary at 1/1000 dilution.
Perform heat mediated antigen retrieval using Tris-EDTA (pH 9.0) (**ab94681**).

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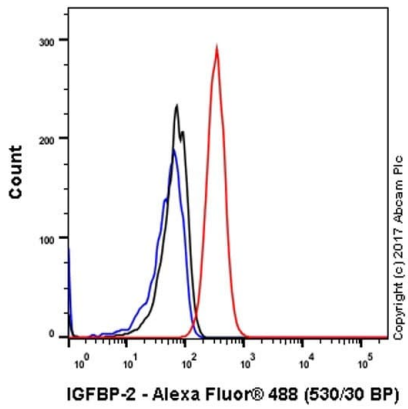
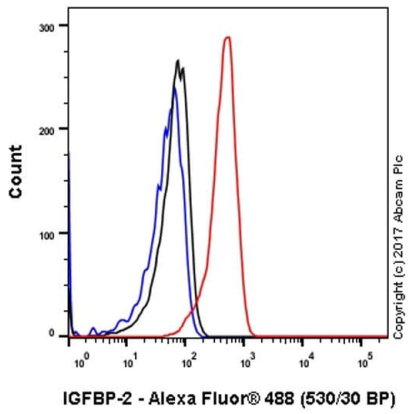


Flow Cytometry (Intracellular) - Anti-IGFBP2 antibody [EPR18012-257] - BSA and Azide free (ab225763)

Intracellular flow cytometric analysis of 4% paraformaldehyde fixed, 90% methanol permeabilized T-47D (human ductal breast epithelial tumor epithelial cell) cell line labeling IGFBP2 with **ab188200** at 1/60 (Red) compared with a Rabbit monoclonal IgG (**ab172730**) (Black) and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**), at 1/2000 dilution was used as the secondary antibody.

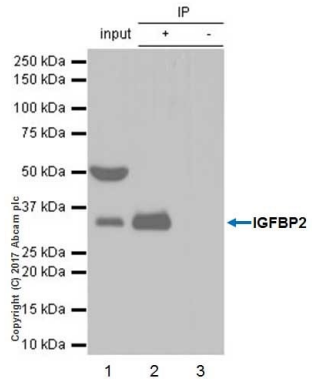
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab188200**).



Flow Cytometry (Intracellular) - Anti-IGFBP2 antibody [EPR18012-257] - BSA and Azide free (ab225763)

Intracellular flow cytometric analysis of 4% paraformaldehyde fixed, 90% methanol permeabilized RAW 264.7 (mouse Abelson murine leukemia virus-induced tumor macrophage) cell line labeling IGFBP2 with **ab188200** at 1/60 (Red) compared with a Rabbit monoclonal IgG (**ab172730**) (Black) and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**), at 1/2000 dilution was used as the secondary antibody.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab188200**).



Immunoprecipitation - Anti-IGFBP2 antibody [EPR18012-257] - BSA and Azide free (ab225763)

IGFBP2 was immunoprecipitated from 0.35 mg of human serum with **ab188200** at 1/30 dilution. Western blot was performed from the immunoprecipitate using **ab188200** at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) (**ab131366**), was used for detection at 1/10000 dilution.

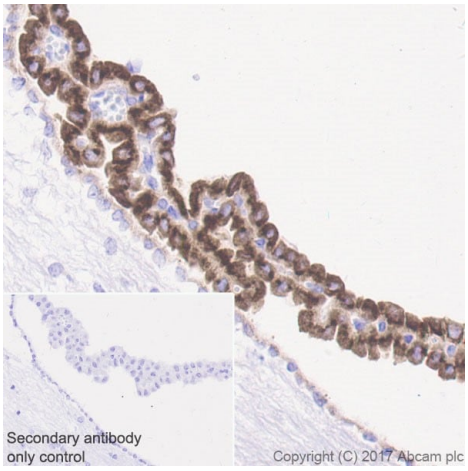
Lane 1: Human serum 10 µg (Input).
Lane 2: **ab188200** IP in Human serum (+).
Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of **ab188200** in human serum (-).

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

Exposure time: 1 second.

The band in lane 1 is human IgG heavy chain which is often observed in serum and plasma samples.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab188200**).

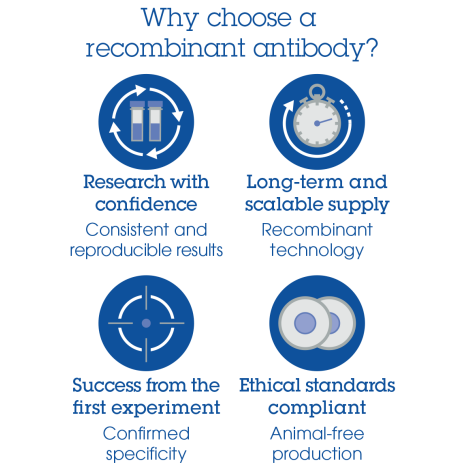


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IGFBP2 antibody [EPR18012-257] - BSA and Azide free (ab225763)

Immunohistochemical analysis of paraffin-embedded mouse choroid plexus tissue labeling IGFBP2 with **ab188200** at 1/1000 dilution, followed by a Goat Anti-Rabbit IgG H&L (HRP) ready to use. Cytoplasmic staining on mouse choroid plexus (PMID: 7525264; PMID: 7678219) is observed. Counter stained with hematoxylin.
Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is a Goat Anti-Rabbit IgG H&L (HRP) ready to use.

Perform heat mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab188200**).



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