

Anti-SPARC antibody [EPR20121] - BSA and Azide free ab271980

敲除验证
重组
RabMAb

3 图像

概述

产品名称	Anti-SPARC抗体[EPR20121] - BSA and Azide free
描述	兔单克隆抗体[EPR20121] to SPARC - BSA and Azide free
宿主	Rabbit
经测试应用	适用于: Flow Cyt (Intra), WB, IP 不适用于: ICC/IF
种属反应性	与反应: Human 不与反应: Mouse
免疫原	Recombinant full length protein. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: SH-SY5Y and A-375 whole cell lysates; Human bone giant cell tumor lysate; Human serum and brain lysate. Flow Cyt (intra): A-375 cells. IP: A-375 whole cell lysate.
常规说明	<p>ab271980 is the carrier-free version of ab207743.</p> <p>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.</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 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.</p> <p>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.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit</p>

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	EPR20121
同种型	IgG

应用

The Abpromise guarantee **Abpromise[™]** 承诺保证使用 ab271980 于以下的经测试应用

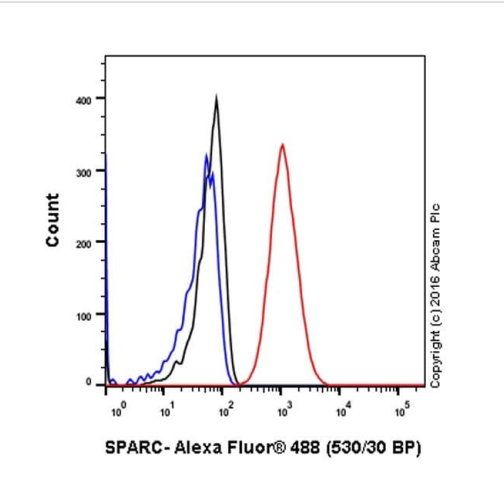
“应用说明”部分 下显示的仅为推荐的起始稀释度; 实际最佳的稀释度/浓度应由使用者检定。

应用	Ab 评论	说明
Flow Cyt (Intra)		Use at an assay dependent concentration. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		Use at an assay dependent concentration. Predicted molecular weight: 35 kDa.
IP		Use at an assay dependent concentration.

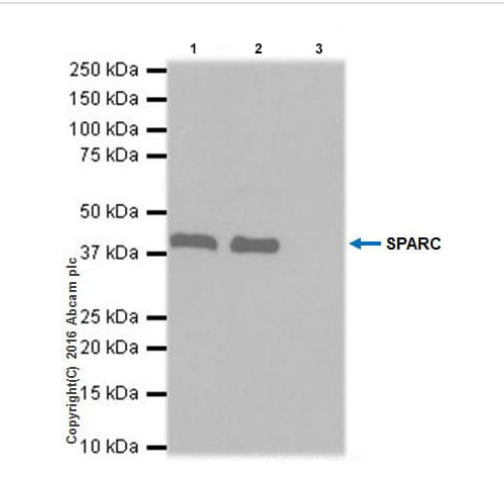
应用说明 Is unsuitable for ICC/IF.

靶标

功能	Appears to regulate cell growth through interactions with the extracellular matrix and cytokines. Binds calcium and copper, several types of collagen, albumin, thrombospondin, PDGF and cell membranes. There are two calcium binding sites; an acidic domain that binds 5 to 8 Ca(2+) with a low affinity and an EF-hand loop that binds a Ca(2+) ion with a high affinity.
序列相似性	Belongs to the SPARC family. Contains 1 EF-hand domain. Contains 1 follistatin-like domain. Contains 1 Kazal-like domain.
发展阶段	Expressed at high levels in tissues undergoing morphogenesis, remodeling and wound repair.
细胞定位	Secreted > extracellular space > extracellular matrix > basement membrane. In or around the basement membrane.



Flow Cytometry (Intracellular) - Anti-SPARC antibody [EPR20121] - BSA and Azide free (ab271980)



Immunoprecipitation - Anti-SPARC antibody [EPR20121] - BSA and Azide free (ab271980)

Intracellular flow cytometric analysis of 4% paraformaldehyde-fixed A-375 (Human malignant melanoma cell line) cells labeling SPARC with **ab207743** at 1/70 dilution (red) compared with a rabbit monoclonal IgG isotype control (**ab172730**; black) and an unlabeled control (cells without incubation with primary antibody and secondary antibody; blue). Goat anti rabbit IgG (Alexa Fluor® 488) 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 (**ab207743**).

SPARC was immunoprecipitated from 0.35 mg of A-375 (Human malignant melanoma cell line) whole cell lysate with **ab207743** at 1/40 dilution.

Western blot was performed from the immunoprecipitate using **ab207743** at 1/1000 dilution.

VeriBlot for IP Detection Reagent (HRP) (**ab131366**), was used for detection at 1/10000 dilution.

- Lane 1: A-375 whole cell lysate, 10µg (Input).
- Lane 2: **ab207743** IP in A-375 whole cell lysate.
- Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of **ab207743** in A-375 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 (**ab207743**).

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

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

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