


Anti-SMYD1 antibody [EPR13574(B)-30] - BSA and Azide free ab250496

Recombinant RabMAb

5 Images

Overview

| | |
|---------------------|---|
| Product name | Anti-SMYD1 antibody [EPR13574(B)-30] - BSA and Azide free |
| Description | Rabbit monoclonal [EPR13574(B)-30] to SMYD1 - BSA and Azide free |
| Host species | Rabbit |
| Tested applications | Suitable for: IP, WB, IHC-P Unsuitable for: ICC/IF |
| Species reactivity | Reacts with: Human Predicted to work with: Mouse, Rat  |
| Immunogen | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. |
| General notes | <p>ab250496 is the carrier-free version of ab181372.</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 monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> |

Properties

| | |
|----------------------|---|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at +4°C. Do Not Freeze. |
| Storage buffer | pH: 7.2 Constituent: PBS |
| Carrier free | Yes |
| Purity | Protein A purified |
| Clonality | Monoclonal |
| Clone number | EPR13574(B)-30 |
| Isotype | IgG |

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab250496 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

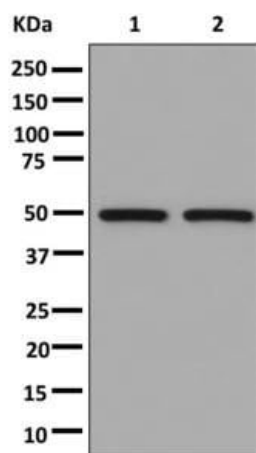
| Application | Abreviews | Notes |
|-------------|-----------|---|
| IP | | Use at an assay dependent concentration. |
| WB | | Use at an assay dependent concentration. Detects a band of approximately 56 kDa (predicted molecular weight: 57 kDa). |
| IHC-P | | Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. |

Application notes Is unsuitable for ICC/IF.

Target

| | |
|-----------------------|---|
| Function | Acts as a transcriptional repressor. Essential for cardiomyocyte differentiation and cardiac morphogenesis. |
| Sequence similarities | Contains 1 MYND-type zinc finger. Contains 1 SET domain. |
| Cellular localization | Cytoplasm. Nucleus. |

Images



Western blot - Anti-SMYD1 antibody [EPR13574(B)-30] - BSA and Azide free (ab250496)

All lanes : Anti-SMYD1 antibody [EPR13574(B)-30] ([ab181372](#)) at 1/1000 dilution

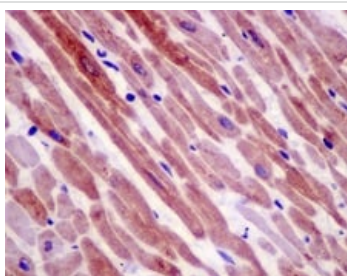
Lane 1 : Human fetal heart tissue lysate

Lane 2 : Human skeletal muscle tissue lysate

Lysates/proteins at 10 µg per lane.

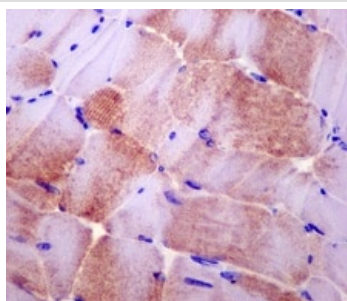
Predicted band size: 57 kDa

This data was developed using [ab181372](#), the same antibody clone in a different buffer formulation.



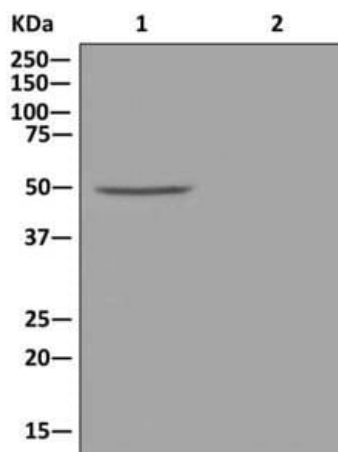
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SMYD1 antibody [EPR13574(B)-30] - BSA and Azide free (ab250496)

This data was developed using [ab181372](#), the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin-embedded Human heart tissue labeling SMYD1 with [ab181372](#) at 1/100 dilution. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SMYD1 antibody [EPR13574(B)-30] - BSA and Azide free (ab250496)

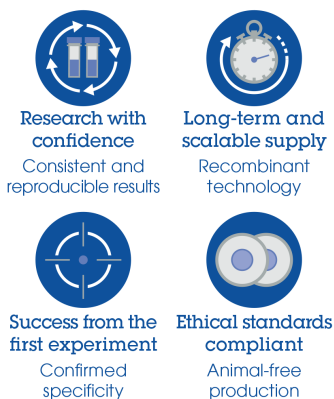
This data was developed using [ab181372](#), the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin-embedded Human skeletal muscle tissue labeling SMYD1 with [ab181372](#) at 1/100 dilution. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunoprecipitation - Anti-SMYD1 antibody
[EPR13574(B)-30] - BSA and Azide free (ab250496)

This data was developed using **ab181372**, the same antibody clone in a different buffer formulation. Western blot analysis on immunoprecipitation pellet from (Lane 1) Human fetal heart lysate or (Lane 2) 1XPBS (negative control) immunoprecipitated using **ab181372** at 1/10 dilution with HRP-conjugated anti-rabbit IgG preferentially detecting the non-reduced form of rabbit IgG.

Why choose a recombinant antibody?



Anti-SMYD1 antibody [EPR13574(B)-30] - BSA and Azide free (ab250496)

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

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