

# Anti-TIP30 antibody [EPR13179] - BSA and Azide free ab250031

Recombinant RabMAb

7 Images

## Overview

|                            |   |
|----------------------------|---|
| <b>Product name</b>        | Anti-TIP30 antibody [EPR13179] - BSA and Azide free   |
| <b>Description</b>         | Rabbit monoclonal [EPR13179] to TIP30 - BSA and Azide free  |
| <b>Host species</b>        | Rabbit  |
| <b>Tested applications</b> | <b>Suitable for:</b> Flow Cyt (Intra), WB, ICC/IF, IP, IHC-P  |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Mouse, Rat, Human   |
| <b>Immunogen</b>           | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.   |
| <b>General notes</b>       | <p>ab250031 is the carrier-free version of <a href="#">ab177961</a>.</p> <p>Our <b>carrier-free</b> 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 <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;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<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> 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"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p> |

## Properties

|                             |   |
|-----------------------------|---|
| <b>Form</b>                 | Liquid  |
| <b>Storage instructions</b> | Shipped at 4°C. Store at +4°C. Do Not Freeze. |
| <b>Storage buffer</b>       | pH: 7.2<br>Constituent: PBS                   |
| <b>Carrier free</b>         | Yes   |
| <b>Purity</b>               | Protein A purified                            |
| <b>Clonality</b>            | Monoclonal                                    |
| <b>Clone number</b>         | EPR13179                                      |
| <b>Isotype</b>              | IgG   |

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab250031 in the following tested applications.

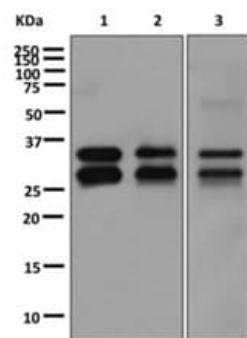
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application             | Abreviews | Notes   |
|-------------------------|-----------|---|
| <b>Flow Cyt (Intra)</b> |           | Use at an assay dependent concentration.  |
| <b>WB</b>               |           | Use at an assay dependent concentration. Predicted molecular weight: 27 kDa.  |
| <b>ICC/IF</b>           |           | Use at an assay dependent concentration.  |
| <b>IP</b>               |           | Use at an assay dependent concentration.  |
| <b>IHC-P</b>            |           | Use at an assay dependent concentration. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol. |

## Target

|                              |   |
|------------------------------|---|
| <b>Function</b>              | Oxidoreductase required for tumor suppression. NADPH-bound form inhibits nuclear import by competing with nuclear import substrates for binding to a subset of nuclear transport receptors. May act as a redox sensor linked to transcription through regulation of nuclear import. Isoform 1 is a metastasis suppressor with proapoptotic as well as antiangiogenic properties. Isoform 2 has an antiapoptotic effect. |
| <b>Tissue specificity</b>    | Ubiquitous. Highest level in liver. High levels in lung, skeletal muscle, pancreas and placenta. Moderate levels in heart and kidney. Low levels in brain. Not expressed or low levels in variant small cell lung carcinomas, 33% of hepatocellular carcinomas and neuroblastomas.  |
| <b>Domain</b>                | Unique C-terminus confers high proteasome-dependent instability to isoform 2.   |
| <b>Cellular localization</b> | Cytoplasm. Nucleus envelope.  |

## Images



Western blot - Anti-TIP30 antibody [EPR13179] - BSA and Azide free (ab250031)

**All lanes** : Anti-TIP30 antibody [EPR13179] ([ab177961](#)) at 1/1000 dilution

**Lane 1** : HeLa cell lysate

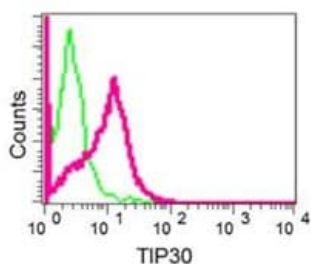
**Lane 2** : A431 cell lysate

**Lane 3** : Fetal liver lysate

Lysates/proteins at 10 µg per lane.

**Predicted band size:** 27 kDa

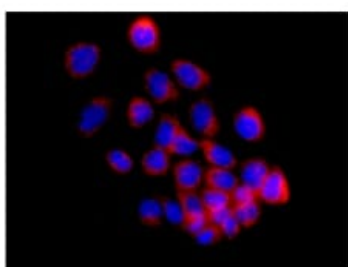
This data was developed using [ab177961](#), the same antibody clone in a different buffer formulation.



Flow Cytometry (Intracellular) - Anti-TIP30 antibody [EPR13179] - BSA and Azide free (ab250031)

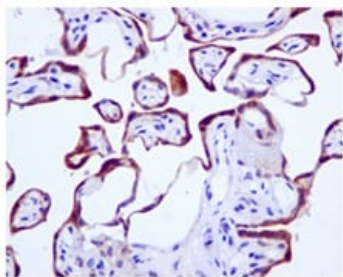
This data was developed using [ab177961](#), the same antibody clone in a different buffer formulation.

Intracellular flow cytometric analysis of permeabilized HeLa cells labeling TIP30 using [ab177961](#) at 1/10 dilution (red) or a rabbit IgG (negative) (green).



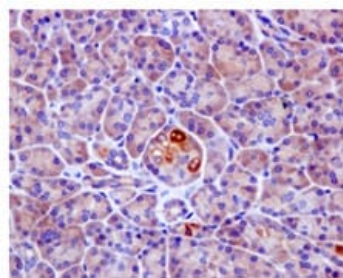
Immunocytochemistry/ Immunofluorescence - Anti-TIP30 antibody [EPR13179] - BSA and Azide free (ab250031)

This data was developed using [ab177961](#), the same antibody clone in a different buffer formulation. Immunofluorescence analysis of A431 cells labeling TIP30 using [ab177961](#) at 1/50 dilution.



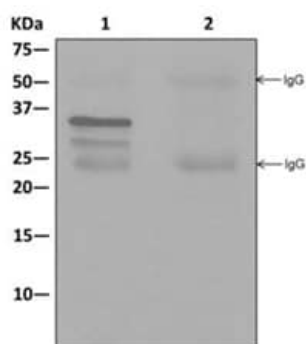
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TIP30 antibody  
[EPR13179] - BSA and Azide free (ab250031)

This data was developed using [ab177961](#), the same antibody clone in a different buffer formulation. Immunohistochemical analysis of Human placenta tissue labeling TIP30 using [ab177961](#) at 1/50 dilution. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TIP30 antibody  
[EPR13179] - BSA and Azide free (ab250031)

This data was developed using [ab177961](#), the same antibody clone in a different buffer formulation. Immunohistochemical analysis of Human pancreas tissue labeling TIP30 using [ab177961](#) at 1/50 dilution. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.



Immunoprecipitation - Anti-TIP30 antibody  
[EPR13179] - BSA and Azide free (ab250031)

This data was developed using [ab177961](#), the same antibody clone in a different buffer formulation. Western blot analysis on immunoprecipitation pellet from (1) HeLa cell lysate or (2) 1XPBS (negative control) using [ab177961](#) at 1/10 dilution to immunoprecipitate TIP30, and HRP-conjugated anti-rabbit IgG preferentially detecting the non-reduced form of rabbit IgG.

### 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

Anti-TIP30 antibody [EPR13179] - BSA and Azide free (ab250031)

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

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