abcam

Product datasheet

Anti-TUBB2A + TUBB2B antibody [EPR11843] ab170931

Recombinant · RabMAb

4 References   5 Images

Overview

Product name	Anti-TUBB2A + TUBB2B antibody [EPR11843]
Description	Rabbit monoclonal [EPR11843] to TUBB2A + TUBB2B
Host species	Rabbit
Tested applications	**Suitable for:** Flow Cyt (Intra), WB, IHC-P, IP **Unsuitable for:** ICC/IF
Species reactivity	**Reacts with:** Human
	Predicted to work with: Mouse, Rat
Immunogen	Recombinant fragment within Human TUBB2A. The exact sequence is proprietary. Database link: **Q13885**
Positive control	293T, HepG2, Jurkat and HeLa whole cell lysate (**ab150035**); Human brain tissue; Jurkat cells.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

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. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal

Clone number	EPR11843
Isotype	IgG

Applications

The Abpromise guarantee   Our **Abpromise guarantee** covers the use of ab170931 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
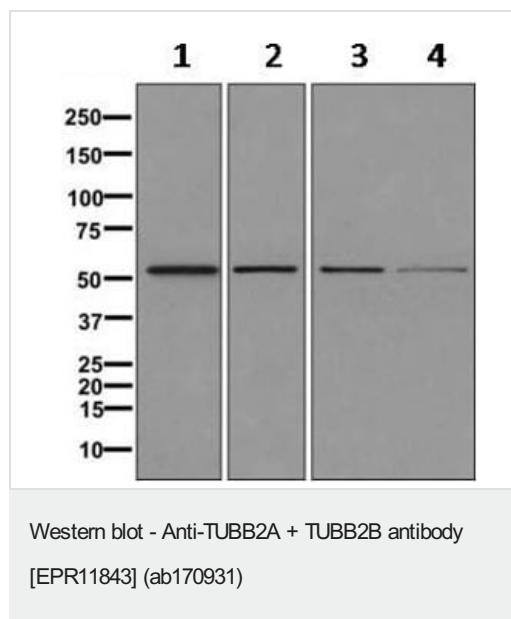
Application	Abreviews	Notes
Flow Cyt (Intra)		1/10 - 1/100. **ab172730** - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/10000 - 1/50000. Predicted molecular weight: 50 kDa.
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
IP		1/10 - 1/100.

Application notes   Is unsuitable for ICC/IF.

Target

Cellular localization   TUBB2A: Cytoplasm > cytoskeleton. TUBB2B: Cytoplasm, cytoskeleton.

Images

Western blot - Anti-TUBB2A + TUBB2B antibody [EPR11843] (ab170931)

All lanes : Anti-TUBB2A + TUBB2B antibody [EPR11843] (ab170931) at 1/10000 dilution

Lane 1 : 293T cell lysate

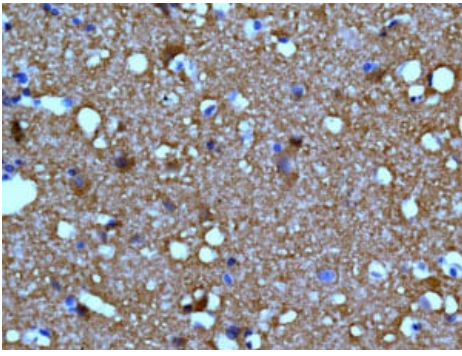**Lane 2 :** HepG2 cell lysate

Lane 3 : Jurkat cell lysate

Lane 4 : HeLa cell lysate

Lysates/proteins at 10 μg per lane.

Secondary

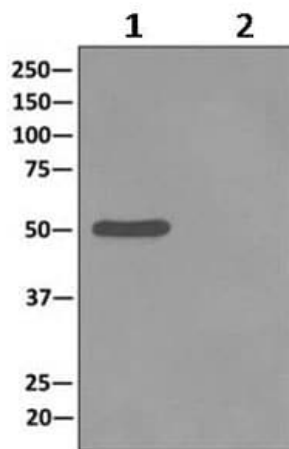**All lanes :** Goat anti-rabbit HRP conjugated at 1/2000 dilution

Predicted band size: 50 kDa

Immunohistochemical analysis of paraffin-embedded Human brain tissue labeling TUBB2A with ab170931 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-TUBB2A + TUBB2B antibody [EPR11843] (ab170931)

Western blot analysis on immunoprecipitation pellet from 293T cell lysate (Lane 1) or 1X PBS (negative control) (Lane 2) using ab170931 and HRP-conjugated anti-rabbit IgG preferentially detecting the non-reduced form of rabbit IgG.

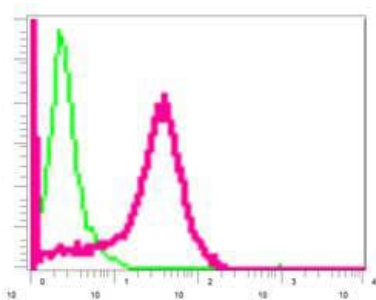Lane 1 Primary: ab170931, 1/10000 dilution
Sample: Immunoprecipitation pellet from 293T cell lysate
Secondary: HRP-conjugated anti-rabbit IgG

Immunoprecipitation - Anti-TUBB2A + TUBB2B antibody [EPR11843] (ab170931)

Lane 2 Primary: ab170931, 1/10000 dilution
Sample: 1X PBS (negative control)
Secondary: HRP-conjugated anti-rabbit IgG

Intracellular flow cytometric analysis of permeabilized Jurkat cells labeling TUBB2A with ab170931 at 1/10 dilution (red) compared toa rabbit IgG negative control (green).

Flow Cytometry (Intracellular) - Anti-TUBB2A + TUBB2B antibody [EPR11843] (ab170931)

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-TUBB2A + TUBB2B antibody [EPR11843]

(ab170931)

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