

Anti-Cytoplasmic Dynein Intermediate chain antibody [74.1] ab23905

リコンビナント

★★★★★ 6 Abreviews 35 References 画像数 7

製品の概要

製品名	Anti-Cytoplasmic Dynein Intermediate chain antibody [74.1]
製品の詳細	Mouse monoclonal [74.1] to Cytoplasmic Dynein Intermediate chain
由来種	Mouse
アプリケーション	適用あり: Flow Cyt, IP, WB 適用なし: ICC
種交差性	交差種: Mouse, Rat, Human
免疫原	Full length native protein (purified) corresponding to Cow Cytoplasmic Dynein Intermediate chain.
ポジティブ・コントロール	WB: U-87 MG, SH-SY5Y, MDA-MB-231, PC-12, C6 and RAW264.7 whole cell lysates. Flow Cyt: HeLa and C6 cells. IP: U-87 MG whole cell lysate. Rat brain tissue lysate.
特記事項	This product has switched from a hybridoma to recombinant production method on 8th March 2021. 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 .

製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	Preservative: 0.01% Sodium azide Constituents: 0.05% BSA, 59% PBS, 40% Glycerol (glycerin, glycerine)
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	74.1

アプリケーション

The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab23905の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

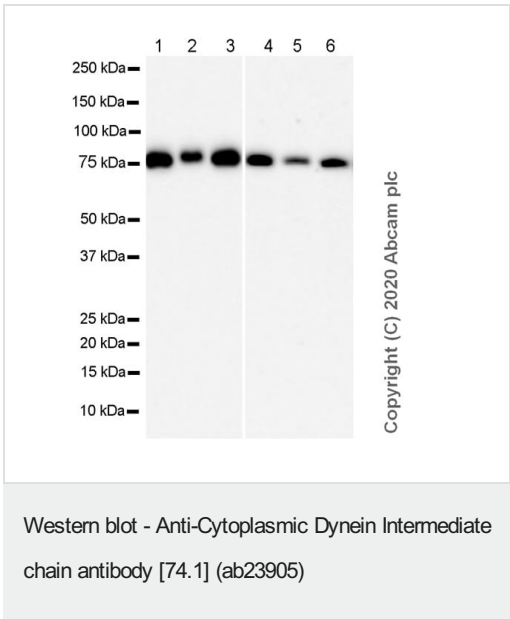
アプリケーション	Abreviews	特記事項
Flow Cyt		1/1000.
IP	★★★★★ (1)	1/30.
WB	★★★★☆ (5)	1/1000. Detects a band of approximately 73 kDa (predicted molecular weight: 73 kDa).

追加情報 Is unsuitable for ICC.

ターゲット情報

機能	Acts as one of several non-catalytic accessory components of the cytoplasmic dynein 1 complex that are thought to be involved in linking dynein to cargos and to adapter proteins that regulate dynein function. Cytoplasmic dynein 1 acts as a motor for the intracellular retrograde motility of vesicles and organelles along microtubules. The intermediate chains mediate the binding of dynein to dynactin via its 150 kDa component (p150-glued) DCNT1. May play a role in mediating the interaction of cytoplasmic dynein with membranous organelles and kinetochores.
配列類似性	Belongs to the dynein intermediate chain family. Contains 7 WD repeats.
細胞内局在	Cytoplasm. Chromosome, centromere, kinetochore. Cytoplasm, cytoskeleton, spindle pole.

画像



All lanes : Anti-Cytoplasmic Dynein Intermediate chain antibody [74.1] (ab23905) at 1/1000 dilution

Lane 1 : U-87 MG (human glioblastoma-astrocytoma epithelial cell), whole cell lysate

Lane 2 : SH-SY5Y (human neuroblastoma epithelial cell), whole cell lysate

Lane 3 : MDA-MB-231 (human breast adenocarcinoma epithelial cell), whole cell lysate

Lane 4 : PC-12 (rat adrenal gland pheochromocytoma), whole cell lysate

Lane 5 : C6 (rat glial tumor glial cell), whole cell lysate

Lane 6 : RAW264.7 (mouse Abelson murine leukemia virus-induced tumor macrophage), whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Peroxidase-Conjugated Goat anti-Mouse IgG (H+L) at 1/10000 dilution

Predicted band size: 73 kDa

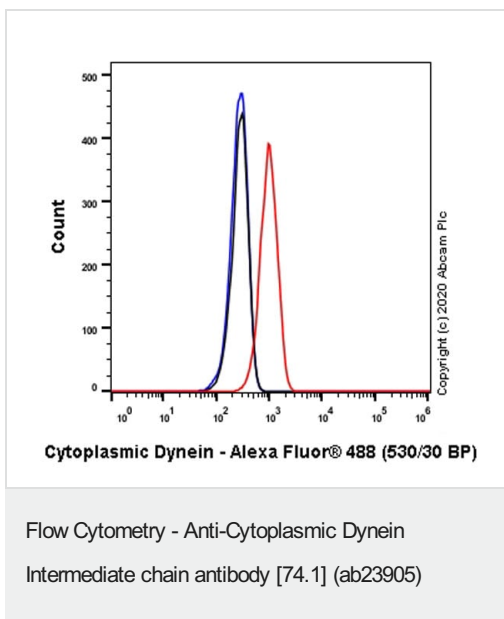
Observed band size: 73 kDa

Blocking buffer and concentration: 5% NFDM/TBST

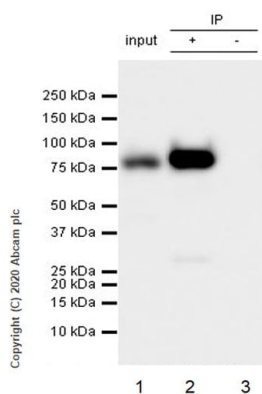
Exposure time:

Lanes 1-3: 37 seconds

Lanes 4-6: 81 seconds



Flow Cytometry analysis of HeLa (human cervix adenocarcinoma epithelial cell line) cells labeling Cytoplasmic Dynein Intermediate chain with ab23905 at 1/1000 dilution. Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. Goat Anti-Mouse IgG (Alexa Fluor® 488) (**ab150113**) at 1/2000 was used as the secondary antibody (red). Mouse monoclonal IgG was used as the isotype control (black). Cells without incubation with primary and secondary antibodies were used as the unlabeled control (blue).



Immunoprecipitation - Anti-Cytoplasmic Dynein Intermediate chain antibody [74.1] (ab23905)

Cytoplasmic Dynein Intermediate chain was immunoprecipitated from 0.35 mg Rat brain tissue lysate 10 µg with ab23905 at 1/30 dilution (2 µg in 0.35 mg lysates). Western blot was performed on the immunoprecipitate using ab23905 at 1/1000 dilution. mouse IgG for IP (HRP) ([ab131368](#)) was used at 1/10000 dilution.

Lane 1: Rat brain tissue lysate 10 µg

Lane 2: ab23905 IP in Rat brain tissue lysate

Lane 3: Mouse monoclonal IgG instead of ab23905 in rat brain tissue lysate

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

Exposure time: 1 second



Immunoprecipitation - Anti-Cytoplasmic Dynein Intermediate chain antibody [74.1] (ab23905)

Cytoplasmic Dynein Intermediate chain was immunoprecipitated from 0.35 mg U-87 MG (human glioblastoma-astrocytoma epithelial cell) whole cell lysate 10 µg with ab23905 at 1/30 dilution (2 µg in 0.35 mg lysates). Western blot was performed on the immunoprecipitate using ab23905 at 1/1000 dilution. mouse IgG for IP (HRP) ([ab131368](#)) was used at 1/10000 dilution.

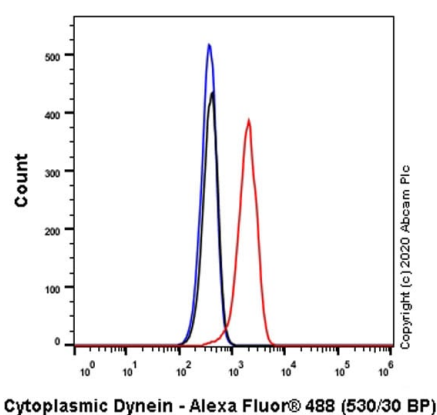
Lane 1: U-87 MG whole cell lysate 10 µg

Lane 2: ab23905 IP in U-87 MG whole cell lysate

Lane 3: Mouse monoclonal IgG instead of ab23905 in U-87 MG whole cell lysate

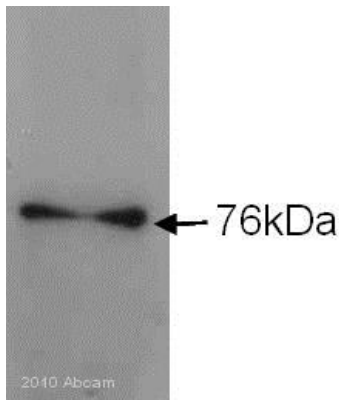
Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Exposure time: 1 second



Flow Cytometry - Anti-Cytoplasmic Dynein Intermediate chain antibody [74.1] (ab23905)

Flow Cytometry analysis of C6 (rat glial tumor cell line) cells labeling Cytoplasmic Dynein Intermediate chain with ab23905 at 1/1000 dilution. Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. Goat Anti-Mouse IgG (Alexa Fluor® 488) ([ab150113](#)) at 1/2000 was used as the secondary antibody (red). Mouse monoclonal IgG was used as the isotype control (black). Cells without incubation with primary and secondary antibodies were used as the unlabeled control (blue).



Western blot - Anti-Cytoplasmic Dynein Intermediate chain antibody [74.1] (ab23905)

This image is courtesy of an anonymous Abreview

Anti-Cytoplasmic Dynein Intermediate chain antibody [74.1]
(ab23905) at 1/1000 dilution + Rat Sciatic nerve whole tissue lysate
at 60 µg

Secondary

HRP-conjugated Goat anti-mouse IgG at 1/10000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 73 kDa

Gel: 10% acryl amid

Blocking Step: 5% Milk for 30 minutes at 25°C

This image was generated from the hybridoma version of the product.

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-Cytoplasmic Dynein Intermediate chain antibody [74.1] (ab23905)

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

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