

# Anti-Tryptophanyl tRNA synthetase/WRS antibody [EPR3424] ab92733

リコンビナント **RabMAb**

画像数 4

### 製品の概要

製品名	Anti-Tryptophanyl tRNA synthetase/WRS antibody [EPR3424]
製品の詳細	Rabbit monoclonal [EPR3424] to Tryptophanyl tRNA synthetase/WRS
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, ICC/IF, Flow Cyt (Intra)
種交差性	<b>交差種:</b> Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: 293T and HeLa cell lysates, and Human thyroid tissue lysate ICC/IF: MCF7 cells Flow Cyt (intra): HUVEC cells
特記事項	<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> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

### 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	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 0.05% BSA, 40% Glycerol (glycerin, glycerine), 59% PBS</p>
精製度	Protein A purified

ポリ/モノ	モノクローナル
クローン名	EPR3424
アイソタイプ	IgG

## アプリケーション

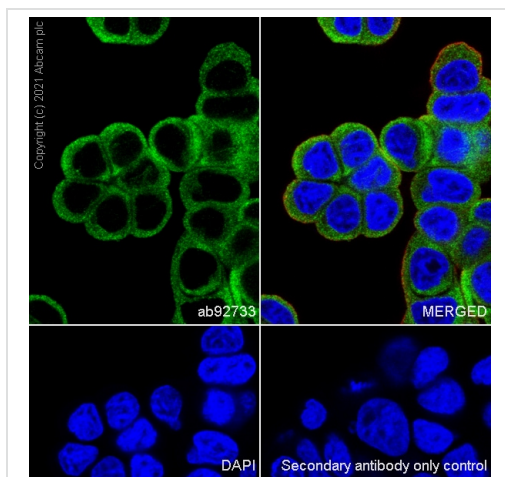
**The Abpromise guarantee**      **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab92733の使用に適用されます  
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/1000. Detects a band of approximately 53 kDa (predicted molecular weight: 53 kDa). <b>For unpurified use at 1/10000 - 1/100000.</b>
ICC/IF		1/50. <b>For unpurified use at 1/100 - 1/250.</b>
Flow Cyt (Intra)		1/600. <b>For unpurified use at 1/1000.</b>

## ターゲット情報

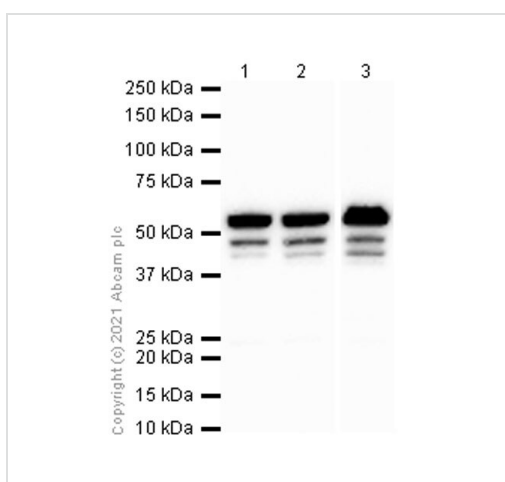
機能	Isoform 1, isoform 2 and T1-TrpRS have aminoacylation activity while T2-TrpRS lacks it. Isoform 2, T1-TrpRS and T2-TrpRS possess angiostatic activity whereas isoform 1 lacks it. T2-TrpRS inhibits fluid shear stress-activated responses of endothelial cells. Regulates ERK, Akt, and eNOS activation pathways that are associated with angiogenesis, cytoskeletal reorganization and shear stress-responsive gene expression.
配列類似性	Belongs to the class-I aminoacyl-tRNA synthetase family. Contains 1 WHEP-TRS domain.
翻訳後修飾	Proteolytic cleavage generates 2 forms; T1-TrpRS and T2-TrpRS.
細胞内局在	Cytoplasm.

## 画像



Immunocytochemistry/ Immunofluorescence - Anti-Tryptophanyl tRNA synthetase/WRS antibody [EPR3424] (ab92733)

Immunocytochemistry analysis of MCF7 (Human breast adenocarcinoma epithelial cell) cells labeling Tryptophanyl tRNA synthetase/WRS with purified ab92733 at 1:50 dilution (10.4 µg/ml). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) at 1/200 dilution (2.5 µg/ml) ([ab195889](#)) (red). Goat anti-rabbit IgG (Alexa Fluor® 488) ([ab150077](#)) was used as the secondary antibody at 1:1000 (2 µg/ml) dilution. DAPI (blue) was used as a nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Western blot - Anti-Tryptophanyl tRNA synthetase/WRS antibody [EPR3424] (ab92733)

**All lanes :** Anti-Tryptophanyl tRNA synthetase/WRS antibody [EPR3424] (ab92733) at 1/1000 dilution (Purified)

**Lane 1 :** 293T (Human embryonic kidney epithelial cell) whole cell lysate

**Lane 2 :** HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate

**Lane 3 :** Human thyroid lysate

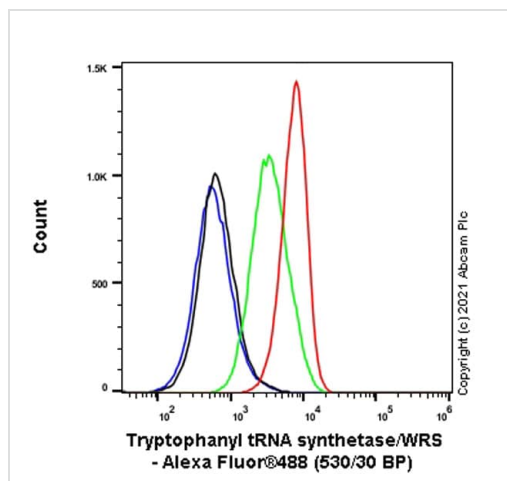
Lysates/proteins at 20 µg per lane.

## Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

**Predicted band size:** 53 kDa


Full-length TrpRS: 54kDa; mini TrpRS: 48kDa; T1 TrpRS: 47kDa; T2 TrpRS: 44kDa. The molecular weights observed are consistent with what has been described in the literature (PMID: 29666190).



Flow Cytometry (Intracellular) - Anti-Tryptophanyl  
tRNA synthetase/WRS antibody [EPR3424]  
(ab92733)

Flow Cytometry analysis of HUVEC (Human umbilical vein endothelial cell) treated with 20ng/ml Interferon gamma for 48 hours cells labeling Tryptophanyl tRNA synthetase/WRS with purified ab92733 at 1/1000 dilution (1 µg/mL) (Red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% Methanol. A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) secondary antibody was used at 1/2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue). IFN gamma induction was reported in literature. (PMID: 31324718)

Why choose a recombinant antibody?

 <p><b>Research with confidence</b> Consistent and reproducible results</p>	 <p><b>Long-term and scalable supply</b> Recombinant technology</p>
 <p><b>Success from the first experiment</b> Confirmed specificity</p>	 <p><b>Ethical standards compliant</b> Animal-free production</p>

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[EPR3424] (ab92733)

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

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