abcam

Product datasheet

Anti-14-3-3 eta/YWHAH antibody [EPR16750] ab206292

Recombinant   RabMAb

★★★★★ **2 Abreviews**   **2 References**   7 Images

Overview

Product name	Anti-14-3-3 eta/YWHAH antibody [EPR16750]
Description	Rabbit monoclonal [EPR16750] to 14-3-3 eta/YWHAH
Host species	Rabbit
Tested applications	**Suitable for:** WB, IP
Species reactivity	**Reacts with:** Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Human fetal brain lysate; Jurkat, HeLa, PC-12 and NIH/3T3 whole cell lysates; mouse and rat brain, spleen, heart and kidney lysates; HeLa cytosolic and nuclear fractions. 14-3-3 eta (YWHAH) Human Recombinant Protein IP: Human brain whole cell lysate.
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: 59% PBS, 0.05% BSA, 40% Glycerol (glycerin, glycerine)
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR16750

Isotype	IgG

Applications

The Abpromise guarantee   Our **Abpromise guarantee** covers the use of ab206292 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
WB		1/1000. Detects a band of approximately 28 kDa (predicted molecular weight: 28 kDa).
IP		1/20.

Target

| **Function**	Adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathways. Binds to a large number of partners, usually by recognition of a phosphoserine or phosphothreonine motif. Binding generally results in the modulation of the activity of the binding partner.
Tissue specificity	Expressed mainly in the brain and present in other tissues albeit at lower levels.
Sequence similarities	Belongs to the 14-3-3 family.

Images

Western blot - Anti-14-3-3 eta/YWHAH antibody [EPR16750] (ab206292)
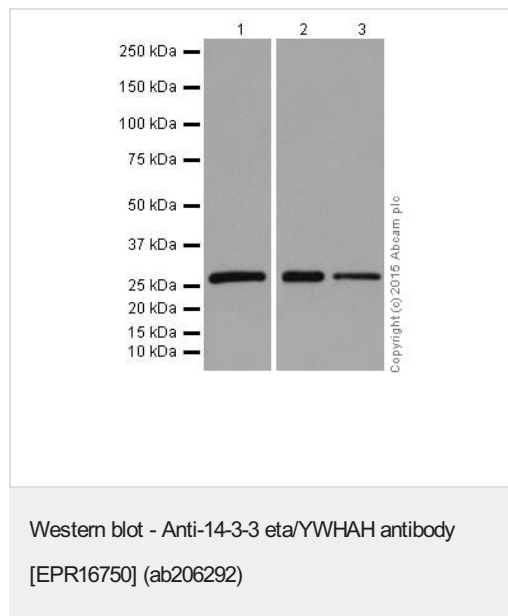
All lanes : Anti-14-3-3 eta/YWHAH antibody [EPR16750] (ab206292) at 1/5000 dilution

Lane 1 : Human fetal brain tissue lysate

Lane 2 : Jurkat (Human T cell leukemia cells from peripheral blood) whole cell lysate

Lane 3 : HeLa (Human epithelial cells from cervix adenocarcinoma) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

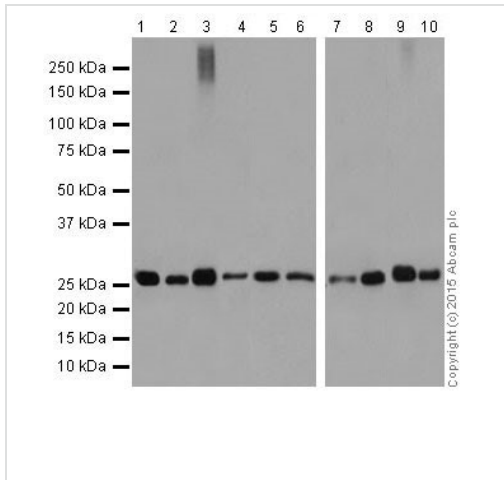**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Predicted band size: 28 kDa
Observed band size: 28 kDa

Western blot - Anti-14-3-3 eta/YWHAH antibody [EPR16750] (ab206292)

All lanes : Anti-14-3-3 eta/YWHAH antibody [EPR16750] (ab206292) at 1/1000 dilution

Lane 1 : Mouse brain tissue lysate

Lane 2 : Mouse spleen tissue lysate

Lane 3 : Rat brain tissue lysate

Lane 4 : Rat spleen tissue lysate

Lane 5 : PC-12 (Rat adrenal gland pheochromocytoma cell line) whole cell lysate

Lane 6 : NIH/3T3 (Mouse embryonic fibroblast cell line) whole cell lysate

Lane 7 : Mouse heart tissue lysate

Lane 8 : Mouse kidney tissue lysate

Lane 9 : Rat heart tissue lysate

Lane 10 : Rat kidney tissue lysate
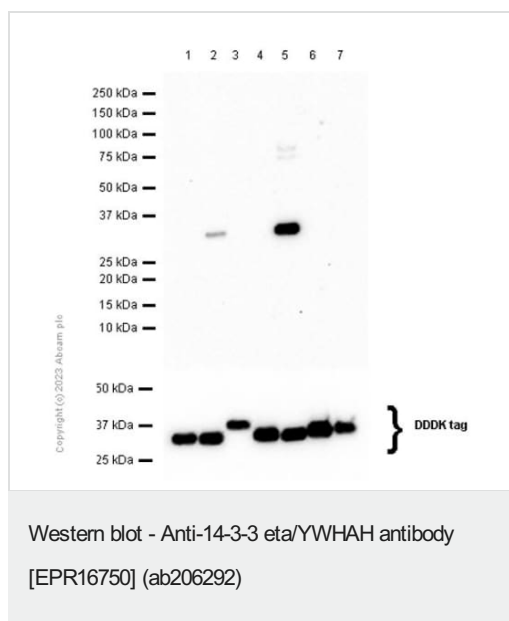
Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/10000 dilution

Predicted band size: 28 kDa
Observed band size: 28 kDa

Western blot - Anti-14-3-3 eta/YWHAH antibody [EPR16750] (ab206292)

All lanes : Anti-14-3-3 eta/YWHAH antibody [EPR16750] (ab206292)

Lane 1 : 14-3-3 beta (YWHAB) Human Recombinant Protein 10 ng, with DDDK tagged

Lane 2 : 14-3-3 gamma (YWHAG) Human Recombinant Protein 10 ng, with DDDK tagged

Lane 3 : 14-3-3 epsilon (YWHAE) Human Recombinant Protein 10 ng, with DDDK tagged

Lane 4 : 14-3-3 zeta (YWHAZ) Human Recombinant Protein 10 ng, with DDDK tagged

Lane 5 : 14-3-3 eta (YWHAH) Human Recombinant Protein 10 ng, with DDDK tagged

Lane 6 : 14-3-3 theta (YWHAQ) Human Recombinant Protein 10 ng, with DDDK tagged

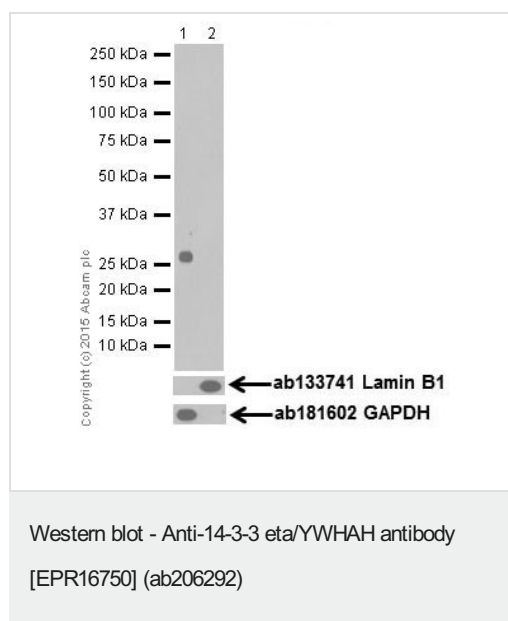**Lane 7 :** 14-3-3 sigma (SFN) Human Recombinant Protein 10 ng, with DDDK tagged

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

Predicted band size: 28 kDa
Observed band size: 28 kDa

Exposure time: 100 seconds

Blocking and diluting buffer: 5% NFDM/TBST

Western blot - Anti-14-3-3 eta/YWHAH antibody [EPR16750] (ab206292)

All lanes : Anti-14-3-3 eta/YWHAH antibody [EPR16750] (ab206292) at 1/2000 dilution

Lane 1 : HeLa (Human epithelial cell line from cervix adenocarcinoma) cytosolic fraction

Lane 2 : HeLa (Human epithelial cell line from cervix adenocarcinoma) nuclear fraction

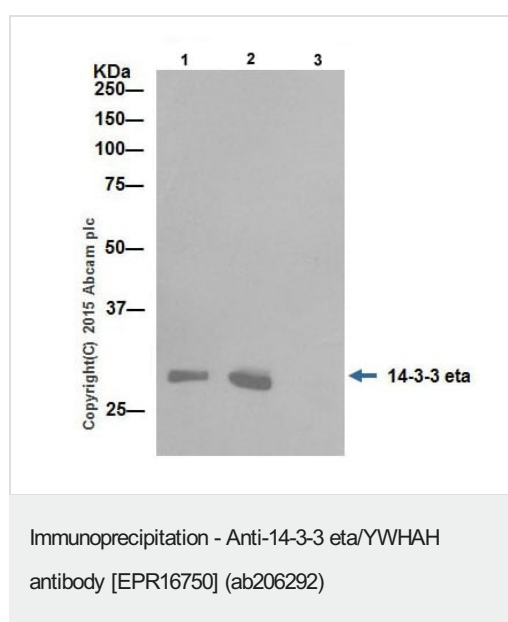Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Predicted band size: 28 kDa
Observed band size: 28 kDa

Exposure time: 3 minutes

Blocking/Dilution buffer: 5% NFDM/TBST.

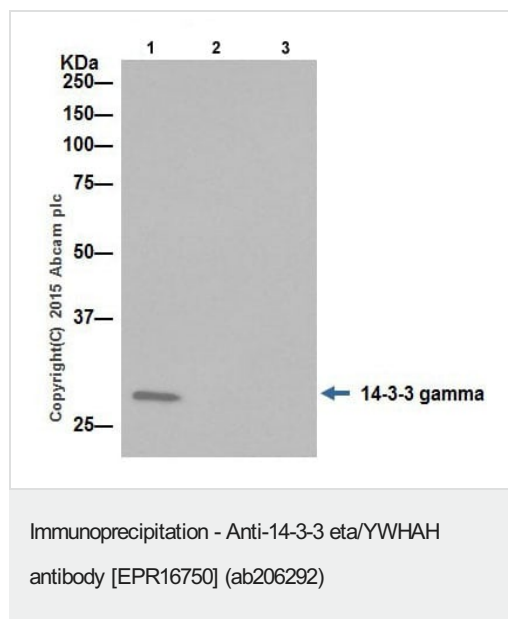Immunoprecipitation - Anti-14-3-3 eta/YWHAH antibody [EPR16750] (ab206292)

14-3-3 eta/YWHAH was immunoprecipitated from 1mg of Human brain whole cell lysate with ab206292 at 1/20 dilution. Western blot was performed from the immunoprecipitate using ab206292 at 1/1000 dilution. Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/1500 dilution.

Lane 1: Human brain whole cell lysate 10ug (Input). Lane 2: ab206292 IP in Human brain whole cell lysate. Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab206292 in Human brain whole cell lysate.

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

Exposure time: 30 seconds.

Immunoprecipitation - Anti-14-3-3 eta/YWHAH antibody [EPR16750] (ab206292)

Negative control: 14-3-3 eta/YWHAH was immunoprecipitated from 1mg of Human brain whole cell lysate with ab206292 at 1/20 dilution. Western blot was performed from the immunoprecipitate using **ab137106** (which is specific to 14-3-3 gamma) at 1/1000 dilution. Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/1500 dilution.

Lane 1: Human brain whole cell lysate 10ug (Input). Lane 2: ab206292 IP in Human brain whole cell lysate. Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab206292 in Human brain whole cell lysate.

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

Exposure time: 30 seconds.

Anti-14-3-3 eta/YWHAH antibody [EPR16750] (ab206292)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.com/abpromise** or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors