

Product datasheet

Anti-USP4 antibody [EPR13846] ab181105

Recombinant RabMAb

1 References 2 Images

Overview

Product name	Anti-USP4 antibody [EPR13846]
Description	Rabbit monoclonal [EPR13846] to USP4
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide (the amino acid sequence is considered to be commercially sensitive) within Human USP4 aa 900 to the C-terminus. The exact sequence is proprietary. Database link: Q13107
Positive control	HuT-78 and THP1 cell lysates,
General notes	

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMab[®] patents](#).

This product is a [recombinant rabbit monoclonal antibody](#).

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	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 0.05% BSA, 40% Glycerol
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR13846
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab181105** in the following tested applications.

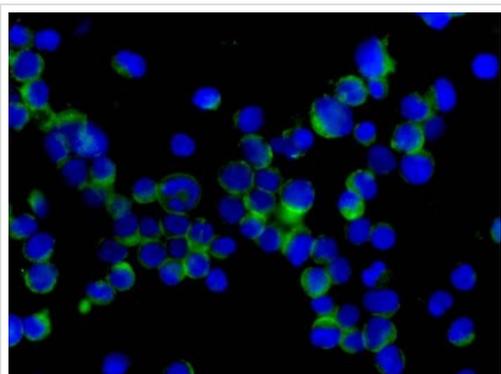
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000. Predicted molecular weight: 109 kDa.
ICC/IF		1/250 - 1/500.

Target

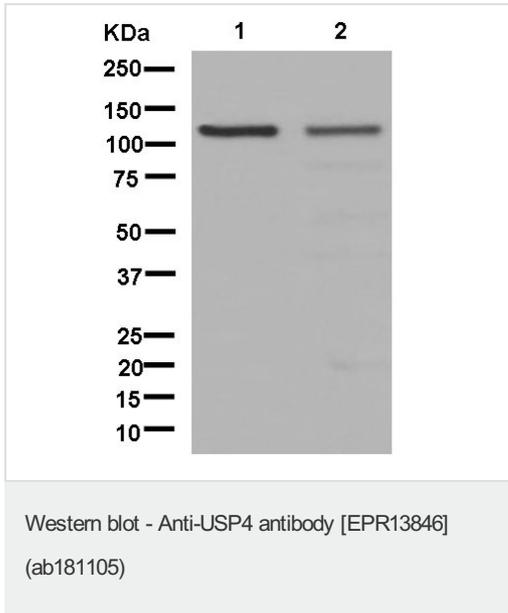
Function	Hydrolase that deubiquitinates target proteins such as the receptor ADORA2A and TRIM21. Deubiquitination of ADORA2A increases the amount of functional receptor at the cell surface. Plays a role in the regulation of quality control in the ER.
Tissue specificity	Overexpressed in small cell tumors and adenocarcinomas of the lung compared to wild-type lung (at protein level). Expressed in the hippocampal neurons.
Sequence similarities	Belongs to the peptidase C19 family. USP4 subfamily. Contains 1 DUSP domain.
Post-translational modifications	Monoubiquitinated by TRIM21. Ubiquitination does not lead to its proteasomal degradation. Autodeubiquitinated.
Cellular localization	Cytoplasm. Nucleus. Shuttles between the nucleus and cytoplasm. Exported to the cytoplasm in a CRM1-dependent manner and recycled back to the nucleus via the importin alpha/beta heterodimeric import receptor. The relative amounts found in the nucleus and cytoplasm vary according to the cell type.

Images



Immunofluorescent staining of -20µg Acetone-fixed THP1 cells labeling USP4 using ab181105 at a 1/250 dilution, followed by Goat anti rabbit IgG (Alexa Fluor® 488) secondary antibody at a 1/200 dilution and counter stained with DAPI.

Immunocytochemistry/ Immunofluorescence - Anti-USP4 antibody [EPR13846] (ab181105)



All lanes : Anti-USP4 antibody [EPR13846] (ab181105) at 1/1000 dilution

Lane 1 : HuT-78 cell lysate

Lane 2 : THP1 cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 109 kDa

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

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