


Product datasheet

Anti-eIF-6 antibody [EPR6512(B)] ab124839

Recombinant RabMAb

3 Images

Overview

Product name	Anti-eIF-6 antibody [EPR6512(B)]
Description	Rabbit monoclonal [EPR6512(B)] to eIF-6
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P Unsuitable for: ICC/IF or IP
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	HeLa, RAW 264.7, K562, 293T, and HepG2 cell lysates and Human colonic adenocarcinoma tissue.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
Purity	Protein A purified
Purification notes	Not purified; provided in cell supernatant and storage buffer.

Clonality	Monoclonal
Clone number	EPR6512(B)
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab124839 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

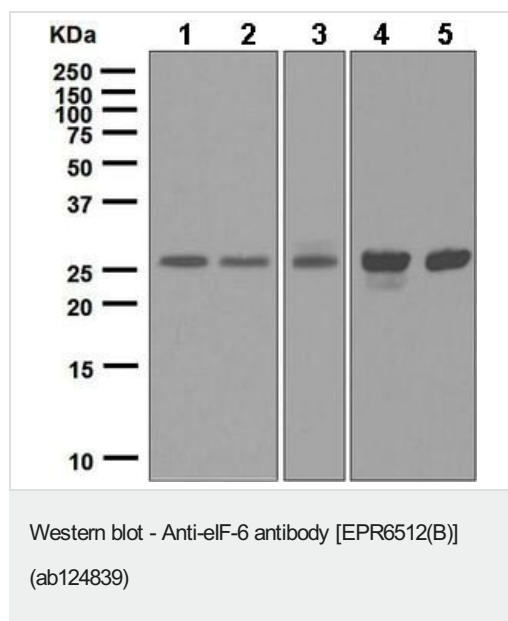
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Predicted molecular weight: 27 kDa.
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Antigen retrieval is recommended.

Application notes Is unsuitable for ICC/IF or IP.

Target

Function	Binds to the 60S ribosomal subunit and prevents its association with the 40S ribosomal subunit to form the 80S initiation complex in the cytoplasm. May behave as a stimulatory translation initiation factor downstream insulin/growth factors. Is also involved in ribosome biogenesis. Associates with pre-60S subunits in the nucleus and is involved in its nuclear export. Cytoplasmic release of TIF6 from 60S subunits and nuclear relocalization is promoted by a RACK1 (GNB2L1)-dependent protein kinase C activity.
Tissue specificity	Expressed at very high levels in colon carcinoma with lower levels in normal colon and ileum and lowest levels in kidney and muscle (at protein level).
Sequence similarities	Belongs to the eIF-6 family.
Post-translational modifications	Phosphorylation at Ser-174 and Ser-175 promotes nuclear export.
Cellular localization	Cytoplasm. Nucleus > nucleolus. Shuttles between cytoplasm and nucleus/nucleolus.

Images



All lanes : Anti-eIF-6 antibody [EPR6512(B)] (ab124839) at 1/1000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : RAW 264.7 cell lysate

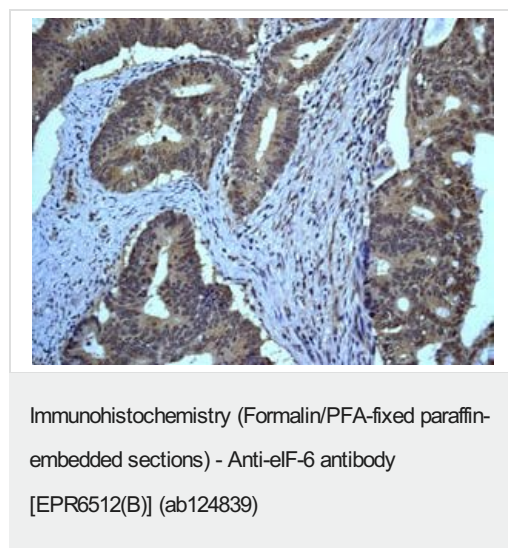
Lane 3 : K562 cell lysate

Lane 4 : 293T cell lysate

Lane 5 : HepG2 cell lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 27 kDa



ab124839, at 1/100 to 1/250, staining eIF-6 in Human colonic adenocarcinoma by immunohistochemistry [Paraffin Embedded Tissues (IHC-P)].

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

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-eIF-6 antibody [EPR6512(B)] (ab124839)

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

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