


Product datasheet

Anti-HSPA14 antibody [EPR4210] ab108612

Recombinant RabMAb

[2 References](#) [4 Images](#)

Overview

Product name	Anti-HSPA14 antibody [EPR4210]
Description	Rabbit monoclonal [EPR4210] to HSPA14
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB, IHC-P Unsuitable for: Flow Cyt
Species reactivity	Reacts with: Human, African green monkey Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	K562, COS1, Human fetal liver, and HeLa cell lysates. Human kidney tissue. HeLa cells.
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: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR4210

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab108612 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
ICC/IF		1/100 - 1/250.
WB		1/1000 - 1/10000. Detects a band of approximately 54 kDa (predicted molecular weight: 55 kDa).
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Application notes

Is unsuitable for Flow Cyt.

Target

Function

Component of the ribosome-associated complex (RAC), a complex involved in folding or maintaining nascent polypeptides in a folding-competent state. In the RAC complex, binds to the nascent polypeptide chain, while DNAJC2 stimulates its ATPase activity.

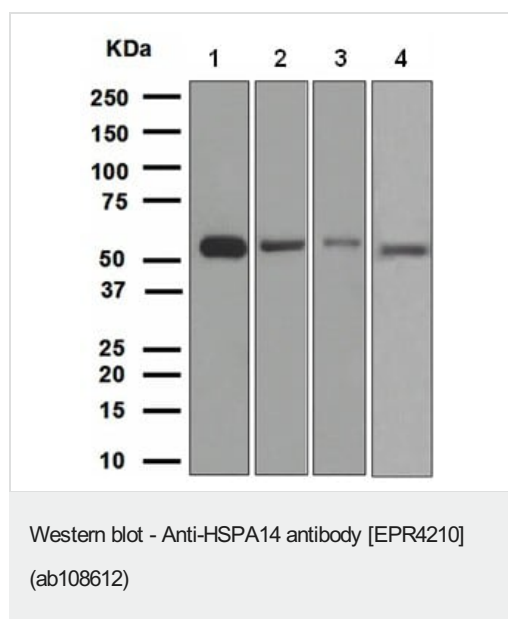
Sequence similarities

Belongs to the heat shock protein 70 family.

Cellular localization

Cytoplasm > cytosol.

Images



All lanes : Anti-HSPA14 antibody [EPR4210] (ab108612) at 1/1000 dilution

Lane 1 : K562 cell lysate

Lane 2 : COS-1 (African green monkey kidney fibroblast-like cell line) cell lysate

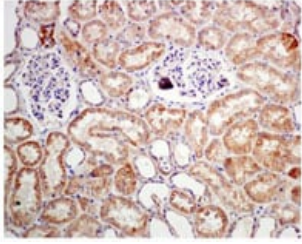
Lane 3 : Human fetal liver tissue lysate

Lane 4 : HeLa cell lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 55 kDa

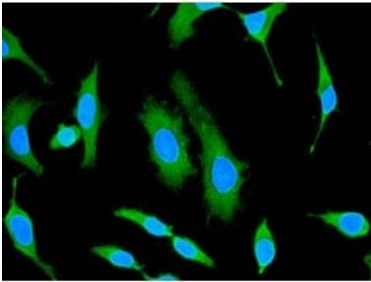
Observed band size: 54 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HSPA14 antibody [EPR4210] (ab108612)

Immunohistochemical analysis of paraffin-embedded Human kidney tissue using ab108612 at 1/100.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-HSPA14 antibody [EPR4210] (ab108612)

Immunofluorescent staining of HeLa cells using ab108612 at 1/100

Why choose a recombinant antibody?

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

Anti-HSPA14 antibody [EPR4210] (ab108612)

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

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