

Product datasheet

Anti-IKAP/p150 antibody [EPR13113] ab179437

Recombinant RabMAb

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Overview

Product name	Anti-IKAP/p150 antibody [EPR13113]
Description	Rabbit monoclonal [EPR13113] to IKAP/p150
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), WB, ICC/IF Unsuitable for: IHC-P or IP
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment within Human IKAP/p150. The exact sequence is proprietary. Database link: O95163
Positive control	HepG2, HeLa, Jurkat and 293T cell lysates; HeLa cells; Jurkat 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> <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>

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: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Tissue culture supernatant

Clonality	Monoclonal
Clone number	EPR13113
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab179437 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

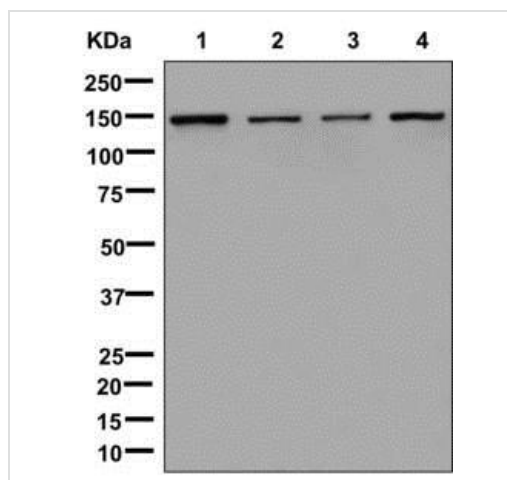
Application	Abreviews	Notes
Flow Cyt (Intra)		1/10 - 1/50. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/10000 - 1/50000. Predicted molecular weight: 150 kDa.
ICC/IF		1/50 - 1/100.

Application notes Is unsuitable for IHC-P or IP.

Target

Function	May act as a scaffold protein that may assemble active IKK-MAP3K14 complexes (IKKA, IKKB and MAP3K14/NIK). Acts as subunit of the RNA polymerase II elongator complex, which is a histone acetyltransferase component of the RNA polymerase II (Pol II) holoenzyme and is involved in transcriptional elongation. Elongator may play a role in chromatin remodeling and is involved in acetylation of histones H3 and probably H4.
Involvement in disease	Defects in IKBKAP are the cause of hereditary sensory and autonomic neuropathy type 3 (HSAN3) [MIM:223900]; also known as Riley-Day syndrome or familial dysautonomia (FD). This autosomal recessive disorder is due to the poor development and survival, and progressive degeneration of the sensory, sympathetic and parasympathetic neurons. HSAN3 individuals are affected with a variety of symptoms such as decreased sensitivity to pain and temperature, cardiovascular instability, recurrent pneumonias, vomiting crises, and gastrointestinal dysfunction. It is primarily confined to individuals of Ashkenazi Jewish descent, with an incidence of 1/3'600 live births.
Sequence similarities	Belongs to the ELP1/IKA1 family.
Cellular localization	Cytoplasm. Nucleus.

Images



Western blot - Anti-IKAP/p150 antibody [EPR13113] (ab179437)

All lanes : Anti-IKAP/p150 antibody [EPR13113] (ab179437) at 1/10000 dilution

Lane 1 : HepG2 cell lysate

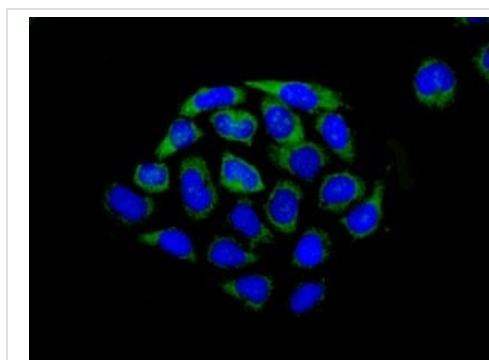
Lane 2 : HeLa cell lysate

Lane 3 : Jurkat cell lysate

Lane 4 : 293T (Human embryonic kidney epithelial cell) cell lysate

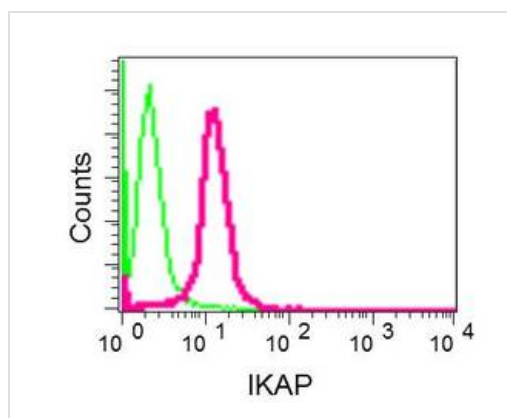
Lysates/proteins at 10 µg per lane.

Predicted band size: 150 kDa



Immunocytochemistry/ Immunofluorescence - Anti-IKAP/p150 antibody [EPR13113] (ab179437)

Immunofluorescent analysis of HeLa cells labeling IKAP/p150 with ab179437 at 1/50 dilution (green). DAPI nuclear staining (blue).



Flow Cytometry (Intracellular) - Anti-IKAP/p150 antibody [EPR13113] (ab179437)

Intracellular flow cytometric analysis of permeabilized Jurkat cells labeling IKAP/p150 with ab179437 at 1/10 dilution (red) compared to a rabbit IgG negative control (green).

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-IKAP/p150 antibody [EPR13113] (ab179437)

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

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