abcam

Product datasheet

Anti-RNF11 antibody [EPR6820] ab154831

Recombinant   RabMAb

★☆☆☆☆ **1 Abreviews**   **4 References**   5 Images

Overview

Product name	Anti-RNF11 antibody [EPR6820]
Description	Rabbit monoclonal [EPR6820] to RNF11
Host species	Rabbit
Tested applications	**Suitable for:** Flow Cyt (Intra), WB, IHC-P **Unsuitable for:** ICC/IF
Species reactivity	**Reacts with:** Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	MCF7 and Human fetal liver lysates; Human brain and kidney tissues; MCF7 cells.
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**. Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20ºC.
Storage buffer	pH: 7.2 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	EPR6820
Isotype	IgG

Applications

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
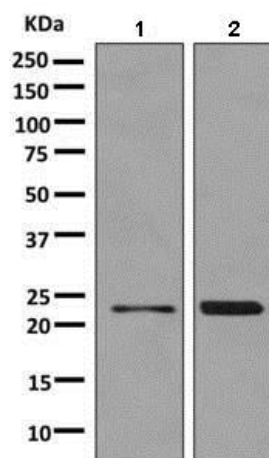
Application	Abreviews	Notes
Flow Cyt (Intra)		1/100 - 1/500. **ab172730** - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB	★☆☆☆☆ (1)	1/1000 - 1/10000. Predicted molecular weight: 17 kDa.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Application notes	Is unsuitable for ICC/IF.

Target

Function	Essential component of a ubiquitin-editing protein complex, comprising also TNFAIP3, ITCH and TAX1BP1, that ensures the transient nature of inflammatory signaling pathways. Promotes the association of TNFAIP3 to RIPK1 after TNF stimulation. TNFAIP3 deubiquitinates 'Lys-63' polyubiquitin chains on RIPK1 and catalyzes the formation of 'Lys-48'-polyubiquitin chains. This leads to RIPK1 proteasomal degradation and consequently termination of the TNF- or LPS-mediated activation of NF-kappa-B. Recruits STAMBP to the E3 ubiquitin-ligase SMURF2 for ubiquitination, leading to its degradation by the 26S proteasome.
Tissue specificity	Expressed at low levels in the lung, liver, kidney, pancreas, spleen, prostate, thymus, ovary, small intestine, colon, and peripheral blood lymphocytes, and, at intermediate levels, in the testis, heart, brain and placenta. Highest expression in the skeletal muscle. In the brain, expressed at different levels in several regions: high levels in the amygdala, moderate in the hippocampus and thalamus, low in the caudate and extremely low levels in the corpus callosum (at protein level). Restricted to neurons, enriched in somatodendritic compartments and excluded from white matter (at protein level). In substantia nigra, present in cell bodies and processes of dopaminergic and nondopaminergic cells (at protein level). In Parkinson disease, sequestered in Lewy bodies and neurites. Overexpressed in breast cancer cells, but not detected in the surrounding stroma and weakly, if at all, in normal breast epithelial cells (at protein level). Also expressed in several tumor cell lines.
Sequence similarities	Contains 1 RING-type zinc finger.
Domain	The WW-binding motif mediates interaction with NEDD4.
Post-translational modifications	Ubiquitinated in the presence of SMURF2 and UBE2D1, as well as WWP1. Phosphorylation by PKB/AKT1 may accelerate degradation by the proteasome.
Cellular localization	Cytoplasm. Nucleus. Predominantly cytoplasmic, when unphosphorylated, and nuclear, when phosphorylated by PKB/AKT1.

Images

Western blot - Anti-RNF11 antibody [EPR6820] (ab154831)

All lanes : Anti-RNF11 antibody [EPR6820] (ab154831) at 1/1000 dilution
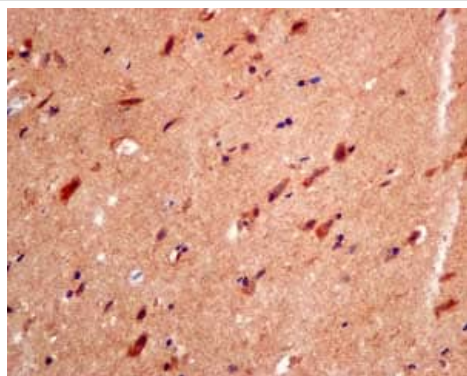
Lane 1 : MCF7 cell lysate

Lane 2 : Human fetal liver tissue lysate

Lysates/proteins at 10 µg per lane.

Secondary

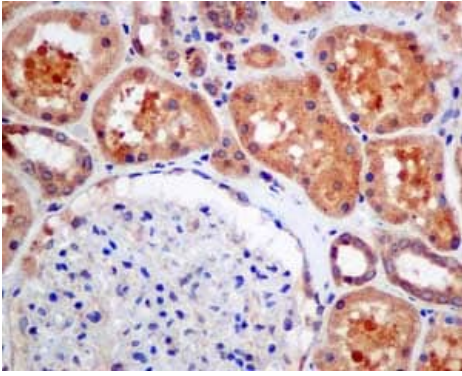**All lanes :** Goat anti-rabbit HRP conjugated at 1/2000 dilution

Predicted band size: 17 kDa

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RNF11 antibody [EPR6820] (ab154831)

Immunohistochemical analysis of paraffin-embedded Human brain tissue labeling RNF11 with ab154831 at 1/50 dilution.
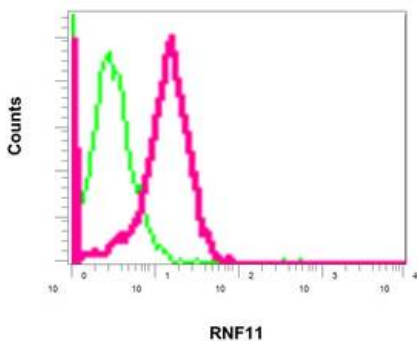
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RNF11 antibody [EPR6820] (ab154831)

Immunohistochemical analysis of paraffin-embedded Human kidney tissue labeling RNF11 with ab154831 at 1/50 dilution.

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

Flow Cytometry (Intracellular) - Anti-RNF11 antibody [EPR6820] (ab154831)

Intracellular flow cytometric analysis of permeabilized MCF7 cells labeling RNF11 with ab154831 at 1/100 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-RNF11 antibody [EPR6820] (ab154831)

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