

Product datasheet

Anti-Deformed Epidermal Autoregulatory Factor 1 antibody [EPR10322] ab156591

Recombinant RabMAb

[3 Images](#)

Overview

Product name	Anti-Deformed Epidermal Autoregulatory Factor 1 antibody [EPR10322]
Description	Rabbit monoclonal [EPR10322] to Deformed Epidermal Autoregulatory Factor 1
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF Unsuitable for: Flow Cyt, IHC-P or IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	293T, Jurkat, SH-SY5Y and HeLa cell lysates; 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> <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 -20°C.
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	EPR10322
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab156591 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: 59 kDa.
ICC/IF		1/100 - 1/250.

Application notes Is unsuitable for Flow Cyt, IHC-P or IP.

Target

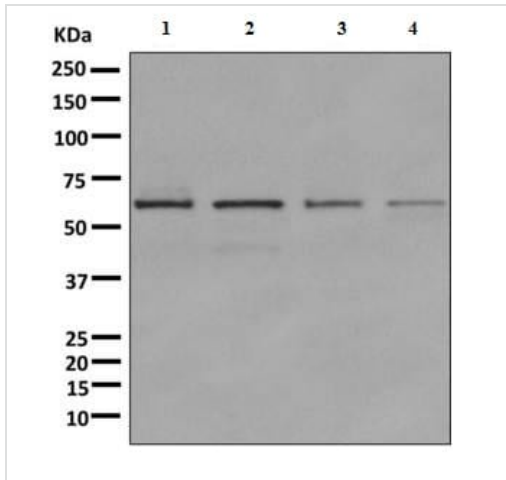
Function Transcription factor that binds to sequence with multiple copies of 5'-TTC[CG]G-3' present in its own promoter and that of the HNRPA2B1 gene. Down-regulates transcription of these genes. Binds to the retinoic acid response element (RARE) 5'-AGGGTTCACCGAAAGTTCA-3'. Activates the proenkephalin gene independently of promoter binding, probably through protein-protein interaction. When secreted, behaves as an inhibitor of cell proliferation, by arresting cells in the G0 or G1 phase. Required for neural tube closure and skeletal patterning. Regulates epithelial cell proliferation and side-branching in the mammary gland. Controls the expression of peripheral tissue antigens in pancreatic lymph nodes. Isoform 1 displays greater transcriptional activity than isoform 4. Isoform 4 may inhibit transcriptional activity of isoform 1 by interacting with isoform 1 and retaining it in the cytoplasm.

Tissue specificity Expressed in various tissues and cells such as in peripheral mononuclear cells and hormone-secreting pituitary cells. Expression in pancreatic lymph nodes of patients with type 1 diabetes is 20 times higher than in healthy controls.

Sequence similarities Contains 1 MYND-type zinc finger.
Contains 1 SAND domain.

Cellular localization Cytoplasm. Nucleus. When expressed alone, localizes mainly in the cytoplasm but, when expressed with isoform 1, nuclear localization is enhanced; Nucleus. Cytoplasm. Cytoplasmic in non-mucinous colorectal carcinoma. When expressed alone, localized almost exclusively in the nucleus but, when expressed with isoform 4, nuclear expression decreases to 32% and cytoplasmic expression increases by 270% and Secreted. Secreted in some cell types.

Images



Western blot - Anti-Deformed Epidermal Autoregulatory Factor 1 antibody [EPR10322] (ab156591)

All lanes : Anti-Deformed Epidermal Autoregulatory Factor 1 antibody [EPR10322] (ab156591) at 1/1000 dilution

Lane 1 : 293T cell lysate

Lane 2 : Jurkat cell lysate

Lane 3 : SH-SY5Y cell lysate

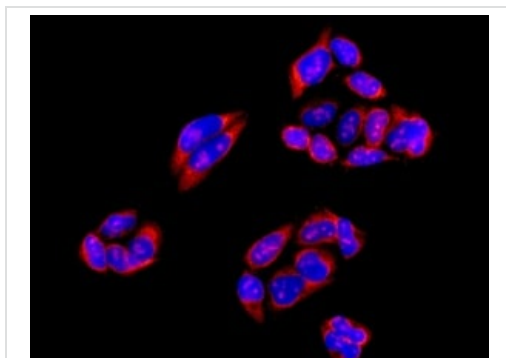
Lane 4 : HeLa cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 59 kDa



Immunocytochemistry/ Immunofluorescence - Anti-Deformed Epidermal Autoregulatory Factor 1 antibody [EPR10322] (ab156591)

Immunofluorescent analysis of HeLa cells labeling Deformed Epidermal Autoregulatory Factor 1 with ab156591 at 1/100 dilution.

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-Deformed Epidermal Autoregulatory Factor 1 antibody [EPR10322] (ab156591)

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

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