



Product datasheet

Anti-Dystonin/BPA antibody ab244440

5 Images

Overview

Product name	Anti-Dystonin/BPA antibody
Description	Rabbit polyclonal to Dystonin/BPA
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment corresponding to Human Dystonin/BPA aa 2600-2750. Database link: Q03001
	<div>  Run BLAST with </div> <div>  Run BLAST with </div>
Positive control	IHC-P: Human kidney, prostate and cerebellum tissues. ICC/IF: A431 cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</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: 0.02% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab244440 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		Use a concentration of 0.25 - 2 µg/ml. Fixation/Permeabilization: PFA/Triton X-100.
IHC-P		1/50 - 1/200. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

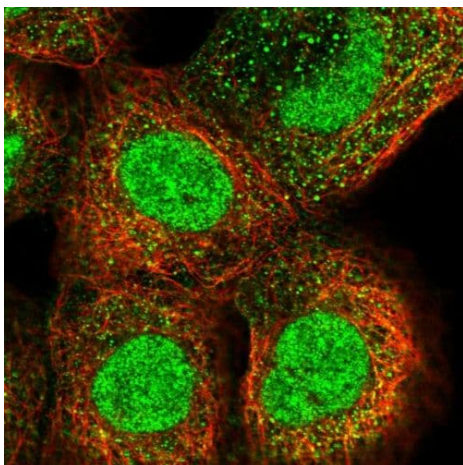
Relevance

Cytoskeletal linker protein. Acts as an integrator of intermediate filaments, actin and microtubule cytoskeleton networks. Required for anchoring either intermediate filaments to the actin cytoskeleton in neural and muscle cells or keratin-containing intermediate filaments to hemidesmosomes in epithelial cells. The proteins may self-aggregate to form filaments or a two-dimensional mesh. Isoform 3: plays a structural role in the assembly of hemidesmosomes of epithelial cells; anchors keratin-containing intermediate filaments to the inner plaque of hemidesmosomes. Required for the regulation of keratinocyte polarity and motility; mediates integrin ITGB4 regulation of RAC1 activity. Isoform 6: required for bundling actin filaments around the nucleus By similarity. Isoform 7: regulates the organization and stability of the microtubule network of sensory neurons to allow axonal transport.

Cellular localization

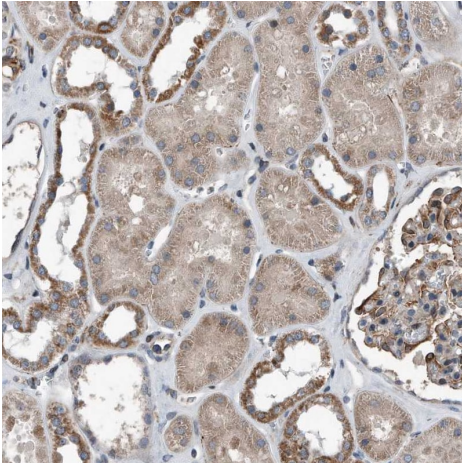
Cytoplasm › cytoskeleton.

Images



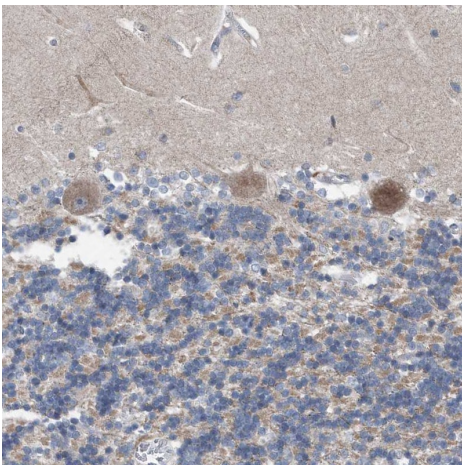
PFA-fixed, Triton X-100 permeabilized A431 (human epidermoid carcinoma cell line) cells stained for Dystonin/BPA (green) using ab244440 at 4 µg/ml in ICC/IF.

Immunocytochemistry/ Immunofluorescence - Anti-Dystonin/BPA antibody (ab244440)



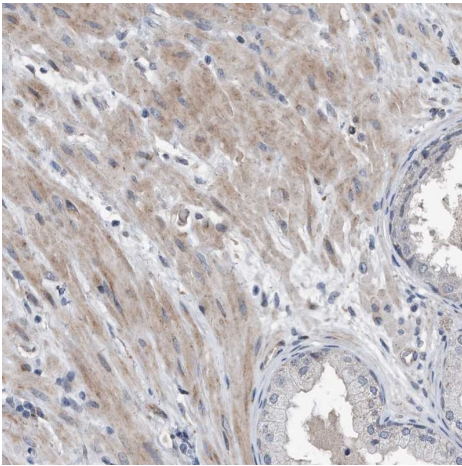
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Dystonin/BPA antibody (ab244440)

Formalin-fixed, paraffin-embedded human kidney tissue stained for Dystonin/BPA with ab244440 at a 1/50 dilution in immunohistochemical analysis.



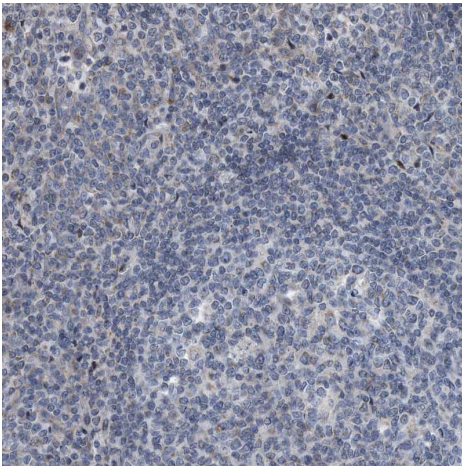
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Dystonin/BPA antibody (ab244440)

Formalin-fixed, paraffin-embedded human cerebellum tissue stained for Dystonin/BPA with ab244440 at a 1/50 dilution in immunohistochemical analysis.



Formalin-fixed, paraffin-embedded human prostate tissue stained for Dystonin/BPA with ab244440 at a 1/50 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Dystonin/BPA antibody (ab244440)



Formalin-fixed, paraffin-embedded human tonsil tissue stained for Dystonin/BPA with ab244440 at a 1/50 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Dystonin/BPA antibody (ab244440)

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

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