

Product datasheet

Anti-beta Actin antibody [BLR057F] - BSA free ab272085

Recombinant

3 Images

Overview

Product name	Anti-beta Actin antibody [BLR057F] - BSA free
Description	Rabbit monoclonal [BLR057F] to beta Actin - BSA free
Host species	Rabbit
Tested applications	Suitable for: IHC-P, ICC
Species reactivity	Reacts with: Mouse, Human
Immunogen	Synthetic peptide within Human beta Actin aa 1-50. The exact sequence is proprietary. (NP_001092.1). Database link: P60709
Positive control	IHC-P: Human ovarian carcinoma tissue. ICC: HeLa cells.
General notes	<p>This product is sold under License from Bethyl Laboratories, Inc.</p> <p>ab272085 is the carrier-free version of ab252556. This format is designed for use in antibody labeling, including fluorochromes, metal isotopes, oligonucleotides, enzymes.</p> <p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p> <p>Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p> <p>Please check that this product meets your needs before purchasing. 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, as well as 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: 8.20 Preservative: 0.09% Sodium azide Constituent: 99% Borate buffered saline
Purification notes	Recombinant antibody was purified from cell culture supernatant.
Clonality	Monoclonal
Clone number	BLR057F
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab272085** in the following tested applications.

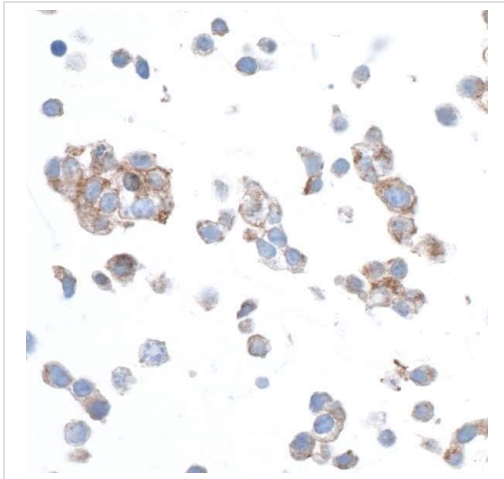
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC		Use at an assay dependent concentration.

Target

Function	Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells.
Involvement in disease	Defects in ACTB are a cause of dystonia juvenile-onset (DYTJ) [MIM:607371]. DYTJ is a form of dystonia with juvenile onset. Dystonia is defined by the presence of sustained involuntary muscle contraction, often leading to abnormal postures. DYTJ patients manifest progressive, generalized, dopa-unresponsive dystonia, developmental malformations and sensory hearing loss.
Sequence similarities	Belongs to the actin family.
Post-translational modifications	ISGylated.
Cellular localization	Cytoplasm > cytoskeleton. Localized in cytoplasmic mRNP granules containing untranslated mRNAs.

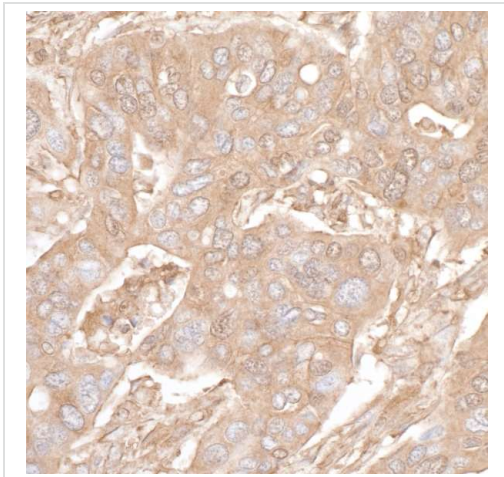
Images



Immunocytochemistry - Anti-beta Actin antibody
[BLR057F] - BSA free (ab272085)

FFPE HeLa (human epithelial cell line from cervix adenocarcinoma) cells stained for beta Actin using [ab252556](#) at 1/200 dilution in ICC/IF, followed by HRP conjugated Goat Anti-Rabbit IgG. Substrate: DAB.

This data was developed using the same antibody clone in a different buffer formulation containing Borate buffered saline, BSA, glycerol and sodium azide ([ab252556](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta Actin antibody
[BLR057F] - BSA free (ab272085)

Formalin-fixed, paraffin-embedded human ovarian carcinoma tissue stained for beta Actin using [ab252556](#) at 1/400 dilution in immunohistochemical analysis, followed by HRP conjugated. DAB staining.

This data was developed using the same antibody clone in a different buffer formulation containing Borate buffered saline, BSA, glycerol and sodium azide ([ab252556](#)).

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-beta Actin antibody [BLR057F] - BSA free
(ab272085)

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

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