

## Product datasheet

# Anti-Integrin linked ILK antibody [EPR1592] - BSA and Azide free ab239884

**KO VALIDATED** Recombinant RabMAb

4 Images

### Overview

<b>Product name</b>	Anti-Integrin linked ILK antibody [EPR1592] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [EPR1592] to Integrin linked ILK - BSA and Azide free
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, WB, Flow Cyt <b>Unsuitable for:</b> IHC-P or IP
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Synthetic peptide within Human Integrin linked ILK. The exact sequence is proprietary.
<b>General notes</b>	Ab239884 is the carrier-free version of <a href="#">ab76468</a> . This format is designed for use in antibody labeling, including fluorochromes, metal isotopes, oligonucleotides, enzymes.

Our [carrier-free formats](#) are supplied in a buffer free of BSA, sodium azide and glycerol for higher conjugation efficiency.

Use our [conjugation kits](#) for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

ab239884 is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm.

*Maxpar® is a trademark of Fluidigm Canada Inc.*

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](#).

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	Constituent: PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR1592
<b>Isotype</b>	IgG

## Applications

Our [Abpromise guarantee](#) covers the use of **ab239884** in the following tested applications.

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

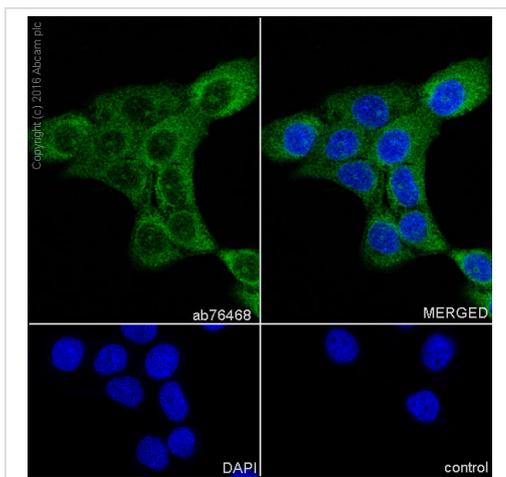
Application	Abreviews	Notes
ICC/IF		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 51 kDa (predicted molecular weight: 51 kDa).
Flow Cyt		Use at an assay dependent concentration. <a href="#">ab199376</a> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

**Application notes**                      Is unsuitable for IHC-P or IP.

## Target

<b>Function</b>	Receptor-proximal protein kinase regulating integrin-mediated signal transduction. May act as a mediator of inside-out integrin signaling. Focal adhesion protein part of the complex ILK-PINCH. This complex is considered to be one of the convergence points of integrin- and growth factor-signaling pathway. Could be implicated in mediating cell architecture, adhesion to integrin substrates and anchorage-dependent growth in epithelial cells. Phosphorylates beta-1 and beta-3 integrin subunit on serine and threonine residues, but also AKT1 and GSK3B.
<b>Tissue specificity</b>	Highly expressed in heart followed by skeletal muscle, pancreas and kidney. Weakly expressed in placenta, lung and liver.
<b>Sequence similarities</b>	Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. Contains 5 ANK repeats. Contains 1 protein kinase domain.
<b>Domain</b>	A PH-like domain is involved in phosphatidylinositol phosphate binding.
<b>Post-translational modifications</b>	Autophosphorylated on serine residues.
<b>Cellular localization</b>	Cell junction > focal adhesion. Cell membrane.

## Images

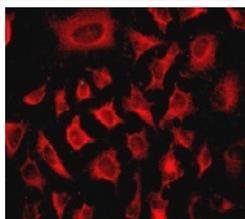


Immunocytochemistry/ Immunofluorescence - Anti-Integrin linked ILK antibody [EPR1592] - BSA and Azide free (ab239884)

Immunocytochemistry/Immunofluorescence analysis of A431 (human epidermoid carcinoma) cells labelling Integrin linked ILK (green) with purified [ab76468](#) at 1/500. Cells were fixed with 100% methanol. [ab150077](#), Alexa Fluor® 488-conjugated goat anti-rabbit IgG (1/1000) was used as the secondary antibody. Nuclei were stained blue with DAPI.

Secondary Only Control: PBS was used instead of the primary antibody as the negative control.

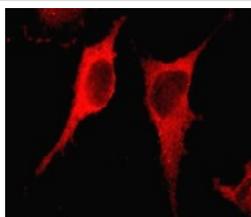
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab76468](#)).



Immunocytochemistry/ Immunofluorescence - Anti-Integrin linked ILK antibody [EPR1592] - BSA and Azide free (ab239884)

[ab76468](#) at 1/100 dilution staining Integrin linked ILK in HeLa cells by Immunofluorescence.

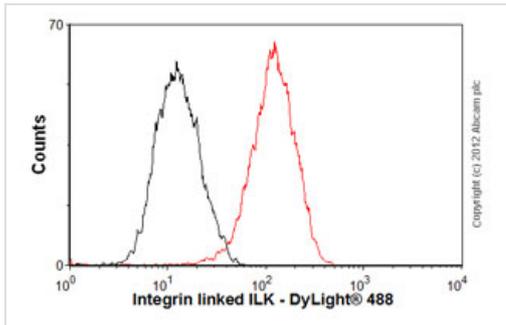
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Flow Cytometry - Anti-Integrin linked ILK antibody  
[EPR1592] - BSA and Azide free (ab239884)

Overlay histogram showing HEK293 cells stained with [ab76468](#) (red line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody ([ab76468](#), 1/100 dilution) for 30 min at 22°C. The secondary antibody used was a goat [anti-rabbit DyLight® 488](#) (IgG; H+L) ([ab96899](#)) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (1 µg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal in HEK293 cells fixed with 80% methanol (5 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab76468](#)).

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

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