


Product datasheet

Anti-STAT5 (phospho Y694) antibody [E208] α b32364

Recombinant RabMAb

★★★★★ 11 Abreviews 59 References 6 Images

Overview

Product name	Anti-STAT5 (phospho Y694) antibody [E208]
Description	Rabbit monoclonal [E208] to STAT5 (phospho Y694)
Host species	Rabbit
Specificity	This reagent is not recommended for mouse IHC-P
Tested applications	Suitable for: WB, IHC-P, ELISA Unsuitable for: ICC/IF or IP
Species reactivity	Reacts with: Human Predicted to work with: Mouse 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: A431 cell lysate treated with epidermal growth factor. IHC-P: Human breast carcinoma tissue.
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>Rat: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.</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. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide

	Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	E208
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab32364 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

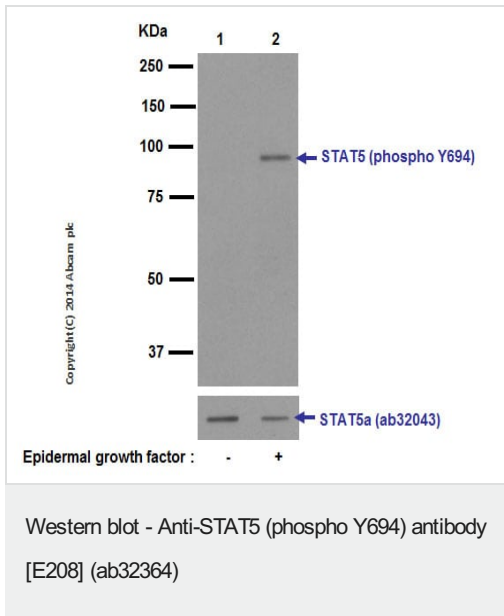
Application	Abreviews	Notes
WB	★★★★★ (4)	1/1000. Detects a band of approximately 90 kDa (predicted molecular weight: 90 kDa).
IHC-P	★★★★★ (5)	1/50. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. Unsuitable for mouse.
ELISA		Use at an assay dependent concentration.

Application notes Is unsuitable for ICC/IF or IP.

Target

Function	Carries out a dual function: signal transduction and activation of transcription. Binds to the GAS element and activates PRL-induced transcription.
Sequence similarities	Belongs to the transcription factor STAT family. Contains 1 SH2 domain.
Post-translational modifications	Tyrosine phosphorylated in response to IL-2, IL-3, IL-7, IL-15, GM-CSF, growth hormone, prolactin, erythropoietin and thrombopoietin. Tyrosine phosphorylation is required for DNA-binding activity and dimerization. Serine phosphorylation is also required for maximal transcriptional activity.
Cellular localization	Cytoplasm. Nucleus. Translocated into the nucleus in response to phosphorylation.

Images



All lanes : Anti-STAT5 (phospho Y694) antibody [E208] (ab32364) at 1/1000 dilution (purified)

Lane 1 : A431 cell lysate, untreated

Lane 2 : A431 cell lysate, treated with Epidermal growth factor

Lysates/proteins at 10 µg per lane.

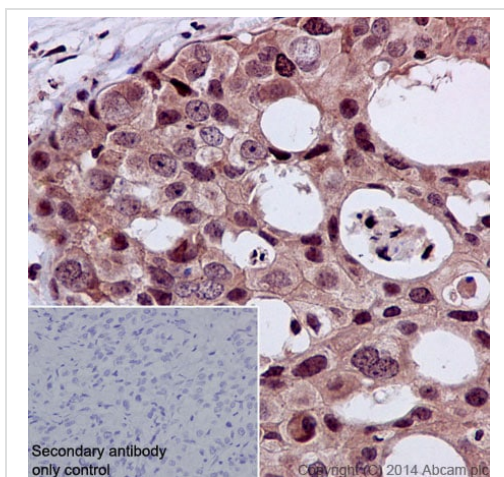
Secondary

All lanes : Peroxidase conjugated goat anti-rabbit IgG (H+L) at 1/1000 dilution

Predicted band size: 90 kDa

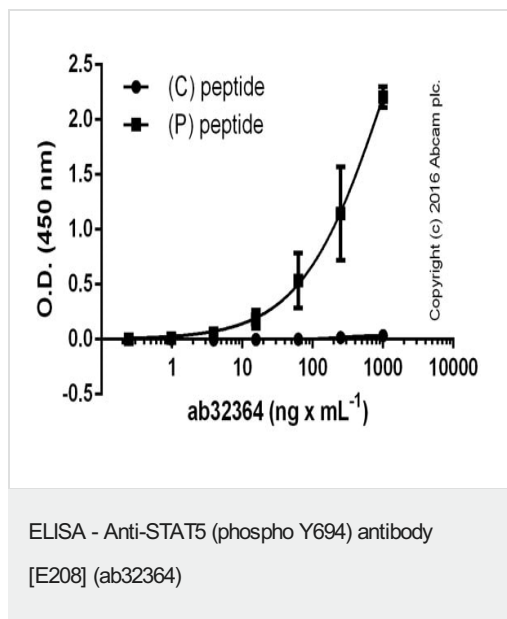
Observed band size: 90 kDa

Blocking and dilution buffer: 5% NFDM/TBST.

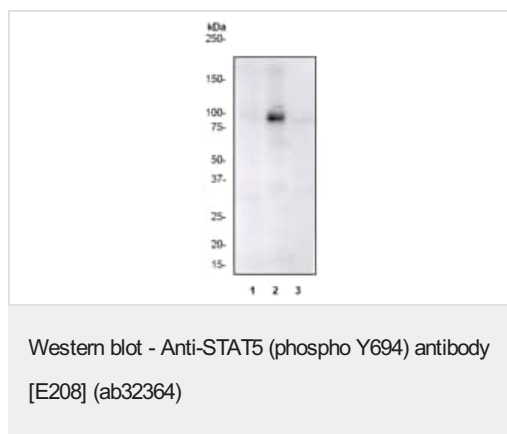


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human infiltrating duct carcinoma of breast tissue labelling STAT5 (phospho Y694) with purified ab32364 at 1/50. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9. **ab97051**, a HRP-conjugated goat anti-rabbit IgG (H+L) was used as the secondary antibody (1/500). Negative control using PBS instead of primary antibody. Counterstained with hematoxylin.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STAT5 (phospho Y694) antibody [E208] (ab32364)



Serially diluted ab32364 was bound to immobilised phospho peptide (P) - or control peptides ((C), 1 microgram x mL⁻¹). The antibody was detected by HRP-labelled goat anti-rabbit IgG ([ab97080](#); diluted 1: 50,000) and signal was developed with TMB substrate



All lanes : Anti-STAT5 (phospho Y694) antibody [E208] (ab32364) at 1/1000 dilution (unpurified)

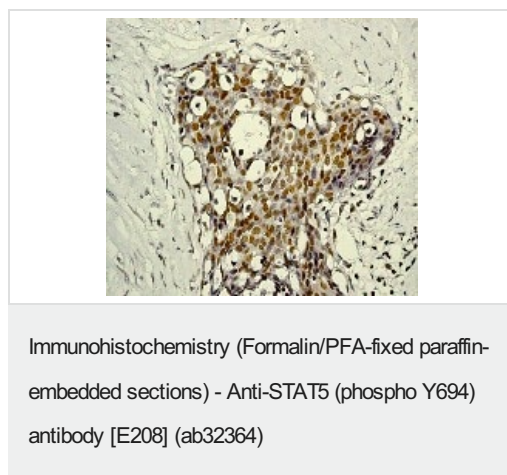
Lane 1 : A431 cell lysate, untreated

Lane 2 : A431 cell lysate, treated with EGF

Lane 3 : A431 cell lysate, treated with phosphatase

Predicted band size: 90 kDa

Observed band size: 90 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human breast carcinoma using unpurified ab32364 at a 1/50 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-STAT5 (phospho Y694) antibody [E208]
(ab32364)

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

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