




Product datasheet

Anti-CSK antibody ab744

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Overview

Product name	Anti-CSK antibody
Description	Goat polyclonal to CSK
Host species	Goat
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Cow, Dog 
Immunogen	Synthetic peptide corresponding to Human CSK aa 400 to the C-terminus (C terminal). Database link: NP_004374.1  Run BLAST with  Run BLAST with
Positive control	Jurkat cell lysate, Human colon tissue.
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. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA
Purity	Immunogen affinity purified
Purification notes	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab744 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		Use a concentration of 0.1 - 0.3 µg/ml. Detects a band of approximately 50 kDa (predicted molecular weight: 52 kDa). 1 hour primary incubation is recommended for this product.
IHC-P		Use at an assay dependent concentration.

Target

Function

Specifically phosphorylates 'Tyr-504' on LCK, which acts as a negative regulatory site. Can also act on the LYN and FYN kinases.

Tissue specificity

Expressed in lung and macrophages.

Sequence similarities

Belongs to the protein kinase superfamily. Tyr protein kinase family. CSK subfamily.
Contains 1 protein kinase domain.
Contains 1 SH2 domain.
Contains 1 SH3 domain.

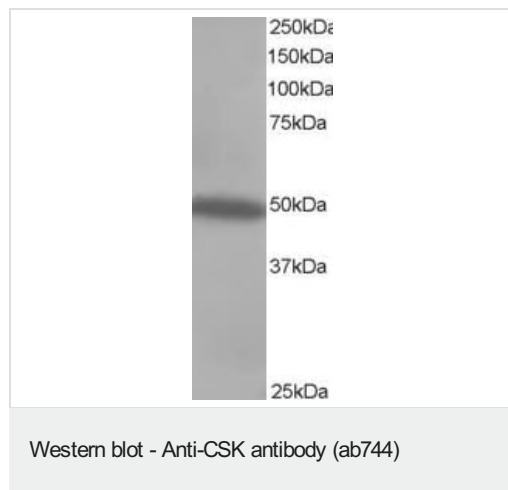
Post-translational modifications

Autophosphorylation of Tyr-304 occurs only at abnormally high CSK concentrations in vitro.

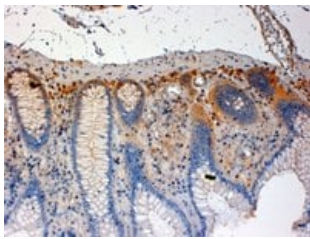
Cellular localization

Cytoplasm. Cell membrane. Mainly cytoplasmic, also present in lipid rafts.

Images

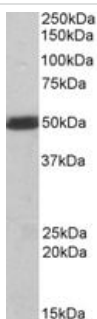


ab744 staining (0.5µg/ml) of Jurkat lysate (RIPA buffer, 35µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence. ab744 staining (0.5µg/ml) of Jurkat lysate (RIPA buffer, 35µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CSK antibody (ab744)

ab744 at 4µg/ml staining CSK in Human Colon by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections). Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.



Western blot - Anti-CSK antibody (ab744)

Anti-CSK antibody (ab744) at 1 µg/ml + Mouse spleen lysate in RIPA buffer at 35 µg

Developed using the ECL technique.

Predicted band size: 52 kDa

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

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