

Datasheet for ABIN967730  
**anti-CSK antibody (AA 1-156)**[2 Images](#)[5 Publications](#)[Go to Product page](#)

## Overview

Quantity:	50 µg
Target:	CSK
Binding Specificity:	AA 1-156
Reactivity:	Human, Mouse, Rat, Dog, Chicken
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CSK antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP)

## Product Details

Immunogen:	Rat Csk aa. 1-156
Clone:	52-Csk
Isotype:	IgG1
Cross-Reactivity:	Mouse (Murine), Human, Dog (Canine), Chicken
Characteristics:	<ol style="list-style-type: none"><li>1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.</li><li>2. Please refer to us for technical protocols.</li><li>3. Source of all serum proteins is from USDA inspected abattoirs located in the United States.</li><li>4. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.</li></ol>

## Product Details

Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
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## Target Details

Target:	CSK
Alternative Name:	Csk ( <a href="#">CSK Products</a> )
Background:	The csk gene encodes a protein kinase that phosphorylates several Src family kinases including p60[c-src], p59[fyn], p53/56[lyn], p56[lck], and p62[yes]. This phosphorylation occurs specifically at the carboxy-terminal tyrosine, Y527. Csk (c-src kinase) was identified based on its ability to phosphorylate exogenous Src in mammalian src-deficient cells. Establishment of a mouse csk-cell line revealed that phosphorylation of Y527 in Src was reduced 20-50%. This correlated with an increase of Src kinase activity, thus indicating Csk is a negative regulator of src. Csk-deficient cells also show an elevation in the kinase activity of p59[fyn] and p53/56[lyn]. These data suggest that Csk may be a universal negative regulator of Src family kinases in vivo.
Molecular Weight:	50 kDa
Pathways:	<a href="#">TCR Signaling</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Cell-Cell Junction Organization</a> , <a href="#">CXCR4-mediated Signaling Events</a>

## Application Details

Comment:	Related Products: ABIN968555, ABIN967389
Restrictions:	For Research Use only

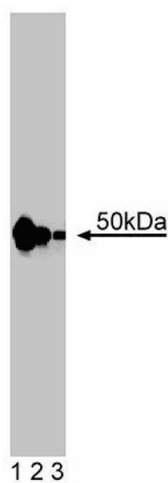
## Handling

Format:	Liquid
Concentration:	250 µg/mL
Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store undiluted at -20° C.

## Publications

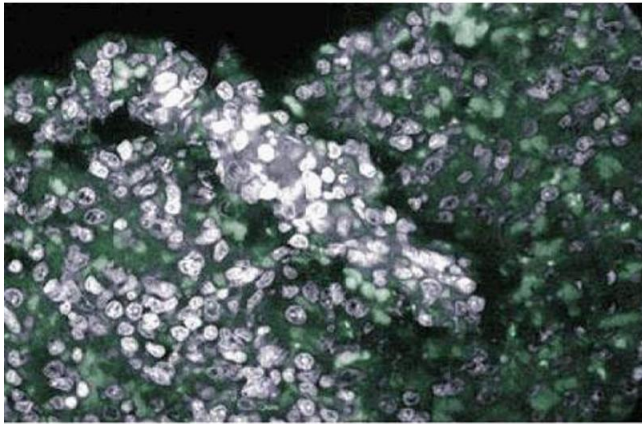
- Product cited in: Bénistant, Bourgaux, Chapuis, Mottet, Roche, Bali: "The COOH-terminal Src kinase Csk is a tumor antigen in human carcinoma." in: **Cancer research**, Vol. 61, Issue 4, pp. 1415-20, (2001) ([PubMed](#)).
- Takayama, Tanaka, Nagai, Okada et al.: "Adenovirus-mediated overexpression of C-terminal Src kinase (Csk) in type I astrocytes interferes with cell spreading and attachment to fibronectin. Correlation with tyrosine phosphorylations of ..." in: **The Journal of biological chemistry**, Vol. 274, Issue 4, pp. 2291-7, (1999) ([PubMed](#)).
- Wan, Bence, Hata, Kurosaki, Veillette, Huang: "Genetic evidence for a tyrosine kinase cascade preceding the mitogen-activated protein kinase cascade in vertebrate G protein signaling." in: **The Journal of biological chemistry**, Vol. 272, Issue 27, pp. 17209-15, (1997) ([PubMed](#)).
- Bergman, Mustelin, Oetken, Partanen, Flint, Amrein, Autero, Burn, Alitalo: "The human p50csk tyrosine kinase phosphorylates p56lck at Tyr-505 and down regulates its catalytic activity." in: **The EMBO journal**, Vol. 11, Issue 8, pp. 2919-24, (1992) ([PubMed](#)).
- Okada, Nada, Yamanashi, Yamamoto, Nakagawa: "CSK: a protein-tyrosine kinase involved in regulation of src family kinases." in: **The Journal of biological chemistry**, Vol. 266, Issue 36, pp. 24249-52, (1992) ([PubMed](#)).

## Images



### Western Blotting

**Image 1.** Western blot analysis of Csk on mouse macrophage lysate. Lane 1: 1:500, lane 2: 1:1000, lane 3: 1:2000 dilution of anti-Csk.



#### Immunohistochemistry

**Image 2.** Immunohistochemical staining of Rabbit Spleen.