Datasheet for ABIN3030694

anti-CISH antibody (AA 241-258)

3 Images

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Overview

Quantity:	100 µg
Target:	CISH
Binding Specificity:	AA 241-258
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CISH antibody is un-conjugated
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Amino acids 241-258 (LPLPRRMADYLRQYPFQL) were used as the immunogen for this CISH antibody (100% homologous in human, mouse and rat).
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	CISH
Alternative Name:	CISH (CISH Products)
Background:	Cytokine inducible SH2-containing protein, also called CIS, CIS-1, G18, SOCS, is an important negative regulator for inflammatory signaling and belongs to the suppressors of cytokine

Target Details

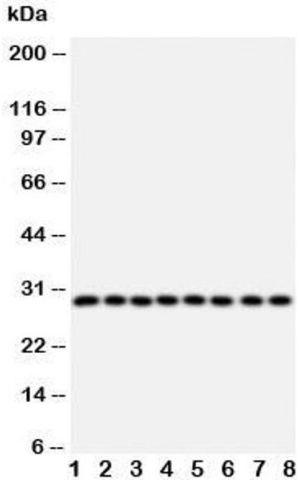
	signaling (SOCS) family. CIS family members are known to be cytokine-inducible negative regulators of cytokine signaling. CISH controls interleukin-2 signaling, and variations of CISH with certain SNPs are associated with susceptibility to bacteremia, tuberculosis and malaria. The human gene is mapped to chromosome 3p21.3 by FISH. The mouse gene is tightly linked to the Gnai2 gene on chromosome 9, a region syntenic to human chromosome 3p21. CISH expression was upregulated by lipopolysaccharide (LPS) or Cryptosporidium parvum exposure, and this upregulation involved downregulation of MIR98 and LET7, which relieved MIR98- and LET7-mediated translational repression of CISH. Gain- and loss-of-function studies showed that CISH accelerated degradation of IKBA and enhanced NFKB activation in cholangiocytes in response to LPS stimulation or C parvum exposure.
UniProt:	Q9NSE2
Pathways:	JAK-STAT Signaling, Response to Growth Hormone Stimulus

Application Details

Application Notes:	The stated application concentrations are suggested starting amounts. Titration of the CISH antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL,IHC (Paraffin): 0.5-1 µg/mL,Immunocytochemistry: 0.5-1 µg/mL
Restrictions:	For Research Use only

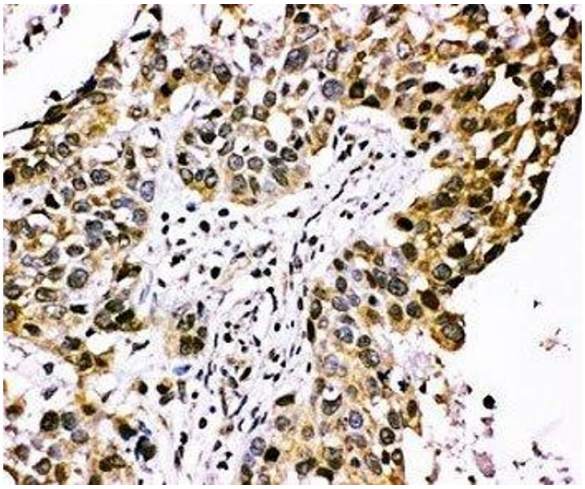
Handling

Buffer:	0.5 mg/mL if reconstituted with 0.2 mL sterile DI water
Storage:	-20 °C
Storage Comment:	After reconstitution, the CISH antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.



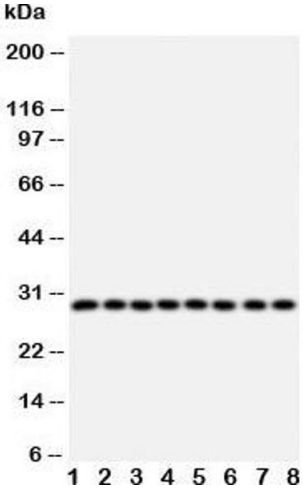
Western Blotting

Image 1. Western blot testing of CISH antibody and Lane 1: rat liver



Immunohistochemistry

Image 2. IHC-P: CISH antibody testing of human lung cancer tissue



Western Blotting

Image 3. Western blot testing of CISH antibody and Lane 1: rat liver; 2: rat kidney; and human samples 3: placenta; 4: A431; 5: SMMC-7721; 6: HeLa; 7: COLO320; 8: MM231 cell lysate