

Product datasheet

Anti-WSX-1 antibody ab5996

2 References 3 Images

Overview

Product name	Anti-WSX-1 antibody
Description	Rabbit polyclonal to WSX-1
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, IHC-P, WB
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide corresponding to Human WSX-1 aa 611-625 (C terminal). Sequence: SGYEKHFLPTPEELG (Peptide available as ab39872)
Positive control	Human spleen tissue lysate.
General notes	Stable for one year. Protein previously labeled as TCCR.

 [Run BLAST with](#)

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Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.02% Sodium azide Constituent: PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab5996** in the following tested applications.

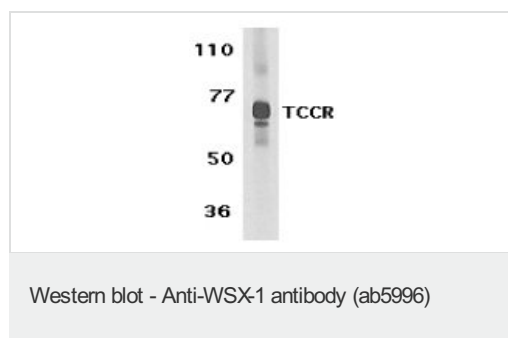
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 20 µg/ml.
IHC-P		Use a concentration of 5 µg/ml.
WB		Use a concentration of 0.5 - 1 µg/ml. Detects a band of approximately 70 kDa. Can be blocked with Human WSX-1 peptide (ab39872) .

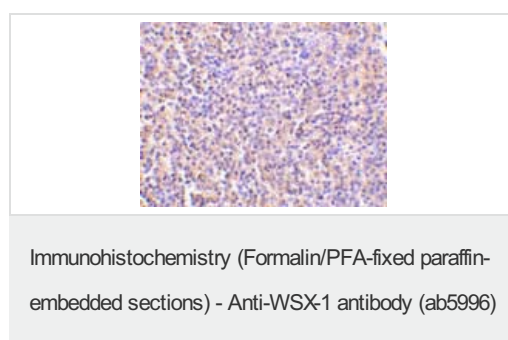
Target

Function	Receptor for IL27. Requires IL6ST/gp130 to mediate signal transduction in response to IL27. This signaling system acts through STAT3 and STAT1. Involved in the regulation of Th1-type immune responses. Also appears to be involved in innate defense mechanisms.
Tissue specificity	Highly expressed in lymphoid tissues such as spleen, lymph nodes and peripheral blood leukocytes. Weakly expressed in other tissues examined including heart, brain, fetal and adult lung, liver, skeletal muscle, kidney, pancreas, prostate, testis, ovary, small intestine, kidney and colon. In the lymphoid system, higher level expression in CD4+ T-cell subsets than in CD8+ T-cell subsets. Also weaker expression in CD19+ B-cells and monocytes.
Sequence similarities	Belongs to the type I cytokine receptor family. Type 2 subfamily. Contains 3 fibronectin type-III domains.
Domain	The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding. The box 1 motif is required for JAK interaction and/or activation.
Cellular localization	Membrane.

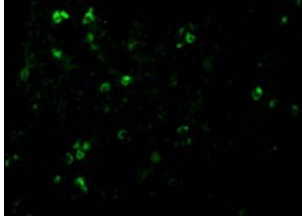
Images



Anti-WSX-1 antibody (ab5996) at 1 µg/ml + Human spleen tissue lysate



ab5996 at 5µg/ml staining WSX-1 in human spleen tissue by IHC



Immunofluorescence of WSX-1 in Human Spleen cells using ab5996 at 20 ug/ml.

Immunocytochemistry/ Immunofluorescence - Anti-WSX-1 antibody (ab5996)

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