

TCCR Antibody

Catalog No: #24148

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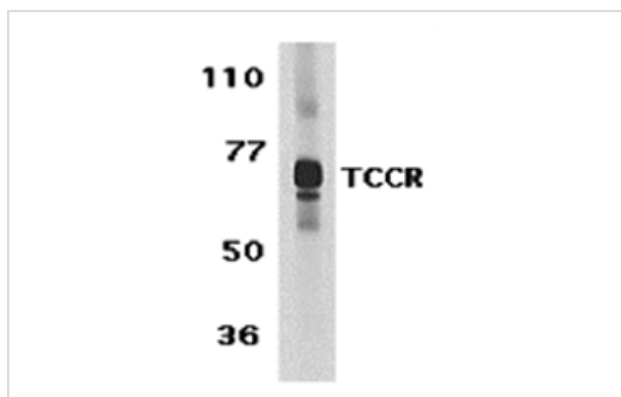
Description

Product Name	TCCR Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	E WB IHC
Species Reactivity	Hu
Immunogen Type	Peptide
Immunogen Description	Raised against a synthetic peptide corresponding to amino acids near the carboxy terminus of human TCCR precursor. This sequence is identical to that of mouse TCCR.
Target Name	TCCR
Other Names	Type I T-cell cytokine receptor, IL-27 receptor alpha, IL-27Ra
Accession No.	NP_004834
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

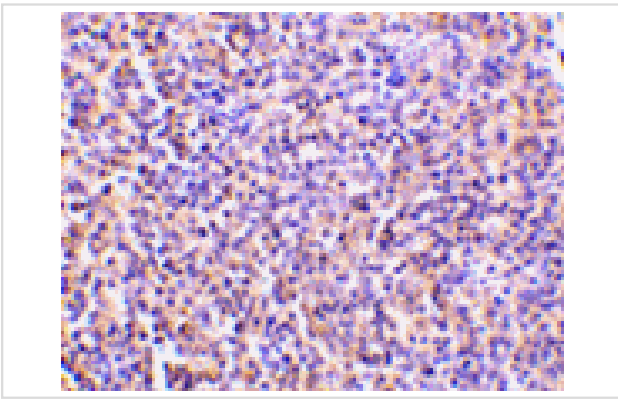
Application Details

Predicted MW: 70 kd

Images



Western blot analysis of TCCR expression in human spleen tissue lysate with TCCR antibody at 1 ug /ml.



Immunohistochemistry of TCCR in human spleen tissue with TCCR antibody at 5 ug/mL.

Background

Upon antigen challenge, T-helper cells differentiate into two functional distinct subsets, Th1 and Th2. Th1 cells produce IL-2, IFN-gamma and lymphotoxin-beta that augment cell mediated immune response while Th2 cells secrete IL-4, IL-5, and IL-10 that enhance humoral immunity. The function of T-helper cells is regulated by cytokines. A novel cytokine receptor was recently identified and cloned. It is a new member in the type I cytokine receptor family and designated TCCR for T-cell cytokine receptor and WSX-1. TCCR deficient mice had impaired Th1 responses to protein antigen challenge, including decreased levels of IFN-gamma and Th1-dependent antibody IgG2a. TCCR is predominately expressed in thymus, spleen, lymph nodes and peripheral blood leukocytes.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.