

Datasheet for ABIN6991954 **anti-ITCH antibody (N-Term)**



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Overview

Quantity:	0.1 mg
Target:	ITCH
Binding Specificity:	AA 40-90, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ITCH antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

Product Details

Immunogen:	ITCH antibody was raised against a 15 amino acid peptide near the amino terminus of human ITCH . The immunogen is located within amino acids 40 - 90 of ITCH.
Isotype:	IgG
Specificity:	ITCH antibody is human, mouse and rat reactive. At least three isoforms of ITCH are known to exist, this antibody only recognizes the two longest isoforms. This antibody is predicted to not cross-react with other members of the Nedd4 protein family.
Purification:	ITCH antibody is affinity chromatography purified via peptide column.

Target Details

Target:	ITCH
Alternative Name:	ITCH (ITCH Products)

Target Details

Background:	The Itchy E3 ubiquitin protein ligase (ITCH) is a member of the Nedd4 family of HECT domain E3 ubiquitin ligases (1). HECT domain E3 ubiquitin ligases transfer ubiquitin from E2 ubiquitin-conjugating enzymes to protein substrates, thus targeting specific proteins for lysosomal degradation. ITCH plays a role in multiple cellular processes including erythroid and lymphoid cell differentiation and the regulation of immune responses (2). In B cells, ITCH is thought to associate with latent membrane protein 2A (LMP2A) of Epstein-Barr virus, specifically down-regulating its activity in B cell signaling (3). Mutations in this gene are a cause of syndromic multisystem autoimmune disease (4).
Molecular Weight:	Predicted: 99 kDa Observed: 99 kDa
Gene ID:	83737
NCBI Accession:	NP_001244066
UniProt:	Q96J02
Pathways:	Activation of Innate immune Response , CXCR4-mediated Signaling Events

Application Details

Application Notes:	ITCH antibody can be used for detection of ITCH by Western blot at 1 - 2 µg/mL. Antibody validated: Western Blot in mouse samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	ITCH antibody is supplied in PBS containing 0.02 % 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, 4 °C

Handling

Storage Comment: ITCH antibody can be stored at 4°C for three months and -20°C, stable for up to one year.