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Datasheet for ABIN7268032 anti-ITCH antibody

3 Images



#### Overview

Quantity:	100 μL
Target:	ITCH
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This ITCH antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Purpose:	[KO Validated] ITCH Rabbit mAb
Immunogen:	A synthesized peptide derived from human ITCH
Isotype:	lgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification
Grade:	KO Validated

### Target Details

Target:	ITCH
Alternative Name:	ITCH (ITCH Products)

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## Target Details

Background:	This gene encodes a member of the Nedd4 family of HECT domain E3 ubiquitin ligases. HECT
	domain E3 ubiquitin ligases transfer ubiquitin from E2 ubiquitin-conjugating enzymes to protein
	substrates, thus targeting specific proteins for lysosomal degradation. The encoded protein
	plays a role in multiple cellular processes including erythroid and lymphoid cell differentiation
	and the regulation of immune responses. Mutations in this gene are a cause of syndromic
	multisystem autoimmune disease. Alternatively spliced transcript variants encoding multiple
	isoforms have been observed for this gene. [provided by RefSeq, Mar 2012],ADMFD, AIF4, AIP4,
	NAPP1,Apoptosis,Cell Biology & Developmental Biology,Immunology & Inflammation,NF-kB
	Signaling Pathway,Notch Signaling Pathway,Signal Transduction,Ubiquitin,Ubiquitin_Ubiquitin-
	Proteasome Signaling Pathway,ITCH
Malagular Waight:	10240

Molecular Weight:	103kDa
Gene ID:	83737
UniProt:	Q96J02
Pathways:	Activation of Innate immune Response, CXCR4-mediated Signaling Events

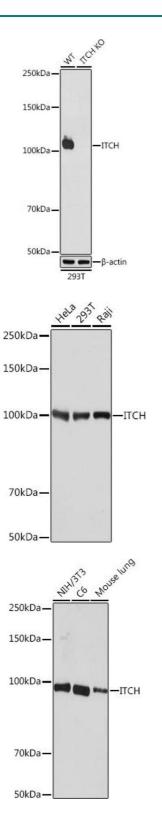
## Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

# Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
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 at -20°C. Avoid freeze / thaw cycles.

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#### Western Blotting

**Image 1.** Western blot analysis of extracts from wild type (WT) and ITCH knockout (KO) 293T cells, using ITCH antibody (ABIN7268032) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 30s.

#### **Western Blotting**

**Image 2.** Western blot analysis of extracts of various cell lines, using ITCH Rabbit mAb (ABIN7268032) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 10s.

#### Western Blotting

**Image 3.** Western blot analysis of extracts of various cell lines, using ITCH Rabbit mAb (ABIN7268032) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 30s.

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