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## anti-ITCH antibody (AA 509-536)





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Quantity:	400 μL
Target:	ITCH
Binding Specificity:	AA 509-536
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ITCH antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Immunogen:	This ITCH antibody is generated from rabbits immunized with a KLH conjugated synthetic
	peptide between 509-536 amino acids from the Central region of human ITCH.
Clone:	RB33154
Isotype:	lg Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.
Target Details	
Target:	ITCH
Alternative Name:	ITCH (ITCH Products)
Background:	Atrophin-1 contains a polyglutamine repeat, expansion of which is responsible for dentatorubra

and pallidoluysian atrophy. The protein encoded by this gene interacts with atrophin-1. This encoded protein is a closely related member of the NEDD4-like protein family. This family of proteins are E3 ubiquitin-ligase molecules and regulate key trafficking decisions, including targeting of proteins to proteosomes or lysosomes. This encoded protein contains four tandem WW domains and a HECT (homologous to the E6-associated protein carboxyl terminus) domain. It can act as a transcriptional corepressor of p45/NFE2 and may participate in the regulation of immune responses by modifying Notch-mediated signaling. It is highly similar to the mouse Itch protein, which has been implicated in the regulation and differentiation of erythroid and lymphoid cells.

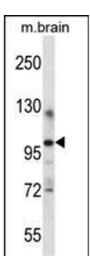
Molecular Weight:	102803
Gene ID:	83737
NCBI Accession:	NP_001244066, NP_001244067, NP_113671
UniProt:	Q96J02
Pathwavs:	Activation of Innate immune Response, CXCR4-mediated Signaling Events

## **Application Details**

Application Notes:	WB: 1:1000	
Restrictions:	For Research Use only	

### Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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:	4 °C,-20 °C
Storage Comment:	ITCH Antibody (Center) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.
Expiry Date:	6 months



### **Western Blotting**

**Image 1.** ITCH Antibody (Center) (ABIN657549 and ABIN2846563) western blot analysis in mouse brain tissue lysates (35  $\mu$ g/lane). This demonstrates the ITCH antibody detected the ITCH protein (arrow).