

# ITCH rabbit monoclonal antibody

Catalog # H00083737-K

Size 100 ug x up to 3

## Specification

Product Description	Rabbit monoclonal antibody raised against a human ITCH peptide using ARM Technology.
Immunogen	A synthetic peptide of human ITCH is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human ITCH peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — ITCH

Entrez GeneID [83737](#)

GeneBank Accession# [ITCH](#)

Gene Name ITCH

Gene Alias AIF4, AIP4, NAPP1, dJ468O1.1

Gene Description itchy E3 ubiquitin protein ligase homolog (mouse)

Omim ID [606409](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

Atrophin-1 contains a polyglutamine repeat, expansion of which is responsible for dentatorubral 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. [provided by RefSeq]

**Other Designations**

NFE2-associated polypeptide 1|atrophin-1 interacting protein 4|dJ468O1.1 (atrophin 1 interacting protein 4 (AIP4))|itchy homolog E3 ubiquitin protein ligase|ubiquitin protein ligase ITCH

## Pathway

- [Endocytosis](#)
- [Ubiquitin mediated proteolysis](#)