

## AIP4 Polyclonal Antibody

### Description

Product type	Primary Antibody
Code	BT-AP00310
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human ITCH. AA range:386-435
Mol wt	102803
Species reactivity	Human, Mouse
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	AIP4 Antibody
Synonyms	ITCH; E3 ubiquitin-protein ligase Itchy homolog; Itch; Atrophin-1-interacting protein 4; AIP4; NFE2-associated polypeptide 1; NAPP1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

ITCH (itchy E3 ubiquitin protein ligase) 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 ITCH are a cause of syndromic multisystem autoimmune disease. Alternatively spliced transcript variants encoding multiple isoforms have been observed for ITCH.

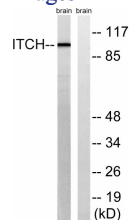
### Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 40000

Not yet tested in other applications.

### Images



Western blot analysis of lysates from mouse brain, using ITCH Antibody. The lane on the right is blocked with the synthesized peptide.

### Storage

-20°C for one year