[KO Validated] ITCH Rabbit Polyclonal Antibody



CAB15612

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

103kDa

Calculated MW:

103kDa

Applications:

WB IHC

Reactivity:

Human, Mouse, Rat

Protein 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.

Immunogen information

Gene ID: 83737

Uniprot Q96J02

Synonyms:

ITCH; ADMFD; AIF4; AIP4; NAPP1

Antibody Information

Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50

- 1:200

Source:

Immunogen:

A synthetic peptide corresponding to a sequence within amino acids 50-150 of human ITCH (NP_001244066.1).

Rabbit

Isotype: IgG storage

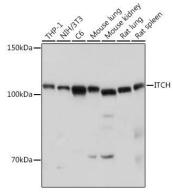
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02%

sodium azide, 50% glycerol, pH7.3.

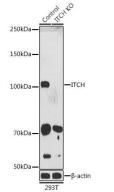
Purification:

Affinity purification

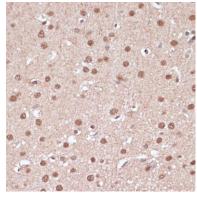
Product Images



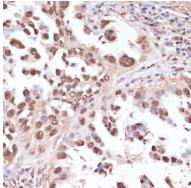
Western blot analysis of extracts of various cell lines, using ITCH antibody (CAB15612) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 10s.



Western blot analysis of extracts from normal (control) and ITCH knockout (KO) 293T cells, using ITCH antibody (CAB15612) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 180s.



Immunohistochemistry of paraffin-embedded rat brain using ITCH antibody (CAB15612) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human lung cancer using ITCH antibody (CAB15612) at dilution of 1:100 (40x lens).