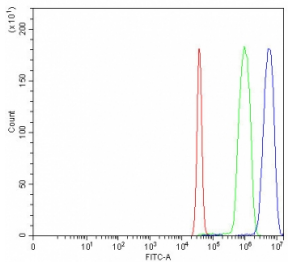
ITCH Antibody / AIF4 (R32307)

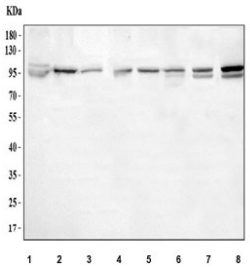
Catalog No.	Formulation	Size
R32307	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat, Monkey
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q96J02
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells
Limitations	This ITCH antibody is available for research use only.



Flow cytometry testing of fixed and permeabilized human SiHa cells with ITCH antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= ITCH antibody.



Western blot testing of 1) human K562, 2) human Raji, 3) human 293T, 4) monkey COS7, 5) human HepG2, 6) human A549, 7) rat C6 and 8) mouse NIH 3T3 cell lysate with ITCH antibody. Predicted molecular weight: 86/99/102 kDa (multiple isoforms).

Description

ITCH is an ubiquitin-conjugating enzyme. 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.

Application Notes

Optimal dilution of the ITCH antibody should be determined by the researcher.

Immunogen

Amino acids AMQQFNQRFIYGNQDLFATSQSKEFDPL of human ITCH were used as the immunogen for the ITCH antibody.

Storage

After reconstitution, the ITCH antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.