

ITCH (Human) Cell-Based ELISA Kit

Catalog # KA2933

Size 1 Kit

Specification

Product Description	ITCH (Human) Cell-Based ELISA Kit is an indirect enzyme-linked immunoassay for qualitative determination of ITCH expression in cultured cells.
Suitable Sample	Attached Cell, Loosely Attached Cell, Suspension Cell
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Qualitative
Reactivity	Human, Mouse
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at 4°C.

Applications

- Qualitative

Gene Info — ITCH

Entrez GeneID	83737
Protein Accession#	Q96J02
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 pallidolusian 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](#)