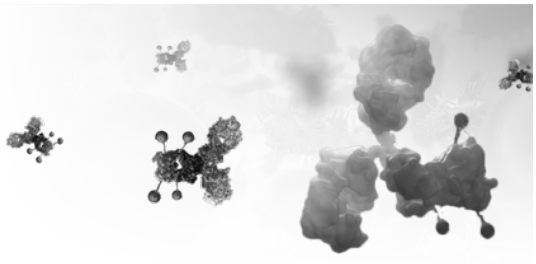

Mouse anti-Human ITCH monoclonal antibody, clone 2C9 (CABT-B10473)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	ITCH (NP_113671, 92 a.a. ~ 191 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	2C9
Conjugate	Unconjugated
Applications	IF,sELISA,ELISA
Sequence Similarities	DVLLGTAALDIYETLKSNNMKLEEVVVTLQLGGDKEPTETIGDLSICLDGLQLESEVVTN GETTCSESASQNDDGSRSKDETRVSTNGSDDPEDAGAGE*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	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

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	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. [provided by RefSeq, Mar 2012]
Keywords	ITCH; itchy E3 ubiquitin protein ligase; AIF4; AIP4; ADMFD; NAPP1; dJ468O1.1; E3 ubiquitin-protein ligase Itchy homolog; NFE2-associated polypeptide 1; atrophin-1 interacting protein 4; itchy E3 ubiquitin protein ligase homolog; dJ468O1.1 (atrophin 1 interacting protein 4 (AIP4));

GENE INFORMATION

Entrez Gene ID	83737
UniProt ID	Q96J02
Pathway	Adaptive Immunity Signaling, organism-specific biosystem; Antigen processing: Ubiquitination & Proteasome degradation, organism-specific biosystem; CXCR4-mediated signaling events, organism-specific biosystem; Calcineurin-regulated NFAT-dependent transcription in lymphocytes, organism-specific biosystem; Class I MHC mediated antigen processing & presentation, organism-specific biosystem; Delta-Notch Signaling Pathway, organism-specific biosystem
Function	CXCR chemokine receptor binding; acid-amino acid ligase activity; ligase activity; protein binding; ribonucleoprotein binding; ubiquitin-protein ligase activity; ubiquitin-protein ligase activity; ubiquitin-protein ligase activity

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